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# La Sierra College Bulletin



HOLE MEMORIAL AUDITORIUM

CHLOE ADAMS SOFSKY

THE LIBRARY OF THE  
JUL 12 1962  
UNIVERSITY OF ILLINOIS



LA SIERRA, CALIFORNIA

**LA SIERRA COLLEGE BULLETIN**  
**La Sierra, California**

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Vol. XLI

May 15, 1962

No. 2

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## LA SIERRA

- 1 LIBRARY AND ADMINISTRATION BUILDING
- 2 DINING HALL
- 3 CALKINS HALL
- 4 MATHESON CHAPEL
- 5 MU BETA KAPPA

- 6 SAN FERNANDO HALL
- 7 LA SIERRA HALL
- 8 HOLE MEMORIAL AUDITORIUM
- 9 GLADWYN HALL
- 10 ANGWIN HALL

- 11 PH...
- 12 KA...
- 13 MA...
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## LA SIERRA COLLEGE CAMPUS

1 LIBRARY AND ADMINISTRATION BUILDING  
2 DINING HALL  
3 CALKINS HALL  
4 MATHESON CHAPEL  
5 MU BETA KAPPA

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7 LA SIERRA HALL  
8 HOLE MEMORIAL AUDITORIUM  
9 GLADWYN HALL  
10 ANGWIN HALL

11 PHYSICAL EDUCATION PLANT  
12 KARL AMBS HALL  
13 MAINTENANCE SHOP  
14 COMMUNICATION ARTS BUILDING  
15 COLLEGE PRESS

16 COLLEGE HALL  
17 LAUNDRY  
18 HOME ECONOMICS HOUSE  
19 PALMER HALL  
20 COLLEGE MARKET

21 SIERRA VISTA CHAPEL  
22 LA SIERRA CHURCH







## CORRESPONDENCE INFORMATION

*The post office of La Sierra College is  
La Sierra, California*

Correspondence concerning the general interests of the college and faculty appointments should be addressed to the president.

Other inquiries should be addressed as indicated below:

Catalogs and Bulletins . . .	Admissions Office
Applications for Admission . . .	Admissions Office
Evaluation of Credits . . . . .	Registrar
Transcript of Records . . . . .	Registrar
Self-help Employment . . . . .	Credit Manager
Payment of Bills . . . . .	Business Office
Employment . . . . .	Business Manager
Alumni Affairs . . . . .	Alumni Office
Graduate Placement . . . . .	Dean of Students
Summer Session . . . . .	Director of Summer Session

## TELEPHONES

*(Riverside Exchange)*

La Sierra College . . . . .	OV 9-4321
All Departments	

### DIRECT LINES

Angwin Hall . . . . .	OV 9-9012
Calkins Hall . . . . .	OV 9-9222 OV 9-9154
Gladwyn Hall . . . . .	OV 9-9180
MBK Hall . . . . .	OV 9-9101

## CONTENTS

	Page
Calendar of Events . . . . .	5
The College . . . . .	6
The Campus . . . . .	9
General Information	
for Students . . . . .	12
Admission . . . . .	12
Student Personnel Service	13
Campus Organizations . . .	15
Alumni Association . . . .	18
Principles of Conduct . . .	18
Financial Information . . .	19
Academic Information . . . . .	27
Academic Regulations . . .	27
Classification of Students .	32
Degrees and Certificates . .	33
Undergraduate Study . . . .	34
Graduate Study . . . . .	37
Professional Programs . . .	40
Preprofessional Programs . .	44
Summer Sessions . . . . .	50
Divisions of Instruction . . . .	51
Course of Instruction . . . . .	51
Courses of Instruction . . . . .	52
Personnel . . . . .	146
Board of Trustees . . . . .	146
Campus Administration . . .	147
Faculty . . . . .	148
Graduates of 1961 . . . . .	155
Enrollment Analysis, 1962-63 . . . . .	156
Index . . . . .	157



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1964



# CALENDAR OF EVENTS

1962 - 1963

## FIRST SEMESTER

Freshman Registration	-	-	Friday, September 21, 8:00 a.m.
Freshman Orientation	-	-	September 22, 23
Non-Freshman Registration	-	-	September 23
Instruction Begins	-	-	September 24
Founders' Day	-	-	October 3
Autumn Week of Religious Emphasis	-	-	October 12 to 20
School Picnic	-	-	October 31
Thanksgiving Recess	-	-	November 21, 2:00 p.m. to November 25, 9:30 p.m.
Christmas Vacation	-	-	December 19, 2:00 p.m. to January 2, 9:30 p.m.
Final Examinations	-	-	January 28 to February 1

## SECOND SEMESTER

Registration	-	-	February 5, 6
Instruction Begins	-	-	February 7
Spring Recess	-	-	March 27, 2:00 p.m. to April 2, 9:30 p.m.
Spring Week of Religious Emphasis	-	-	April 14 to 20
Alumni Homecoming	-	-	April 26, 27
Final Examinations	-	-	June 3-7
Consecration	-	-	June 7
Baccalaureate	-	-	June 8
Commencement	-	-	June 9

## SUMMER SESSION, 1962

Ten-week session	-	-	June 3 - August 17
Eight-week session	-	-	June 18 - August 10
Six-week session	-	-	June 18 - July 27



# THE COLLEGE

## HISTORY AND STANDING

### HISTORY

On October 3, 1922, La Sierra Academy opened its doors as the secondary boarding school serving the Southeastern California Conference of Seventh-day Adventists. It was the purpose of the founders to provide educational facilities with a denominational stamp. These principles call for a rural setting and instruction by Christian teachers in the arts and sciences of living and service. Each student is required to gain some experience in applied arts, and encouraged to gain experience in manual labor on the campus. From the beginning the school has been coeducational.

The first college work in teacher training was offered in 1923, and the school acquired the name of La Sierra Academy and Normal School. In 1927 the school became Southern California Junior College. In 1939 the Northwest Association of Secondary and Higher Schools accredited the college for fifteen grades of work. Within a few months the California Legislature approved a new charter, changing the name to La Sierra College and authorizing the granting of degrees. Senior college status became effective in 1944.

### ACCREDITATION

La Sierra College is accredited as a college of liberal arts by the Western College Association, and by the Northwest Association of Secondary and Higher Schools. It is accredited by the State Department of Education of California to prepare students for elementary teacher education certification.

In addition to membership in the accrediting organization listed above, the College is a member of the Association of Seventh-day Adventist Colleges and Secondary Schools, the American Council on Education, and the Association of American Colleges.

### OBJECTIVES OF THE COLLEGE

La Sierra is a coeducational Christian school. As a liberal arts college it seeks to aid the student in the development of a sound mind in a sound body, to help him to achieve that degree of mental proficiency which will enable him to work efficiently, and to train him to a degree of social competence which will make him a responsible and effective member of society. As a Christian school, the college is concerned with the spiritual welfare of its students, with the development of ideals, of character, and of behavior patterns in harmony with the Biblical specifications of a man of God. The philosophy of education to which the college subscribes is well stated in the words of one of the founders of the Seventh-day Adventist denomination: "Education is but the preparation of the physical, intellectual, and moral powers for the best performance of all the duties of life."



## The College

In harmony with the conception of education described above, the objectives of the college are defined as follows:

1. *Intellectual Objectives.* The college seeks to develop in its students the ability to do independent and creative thinking and to cultivate in them an acquaintance with the basic facts and principles of the major fields of knowledge, together with a more specialised mastery of one of these fields. Students are expected to develop effective expression in written and spoken English, to acquire an attitude of open-minded consideration of controversial questions, and to develop a continuing intellectual curiosity which will extend through their post-college years.

2. *Spiritual Objectives.* As a church-sponsored institution, La Sierra places large emphasis upon the place of religion in the personal lives of the students. It seeks to establish in the students an unswerving allegiance to the principles of the Christian faith, and a sense of personal responsibility to participate in the mission program of the church. Students are encouraged to develop a distinctly Christian philosophy of life as the basis for the solution of both personal and social problems.

3. *Ethical Objectives.* The college endeavors to lead students to the acceptance and practice of those ethical and moral concepts which are approved by the enlightened conscience of mankind, to develop tolerance toward the rights and opinions of others, and to accept the social obligation of serving humanity and striving for its welfare.

4. *Social Objectives.* The social program is designed to guide students in the development of attractive personalities which will find ready acceptance in a sound social order and which lead to enthusiastic participation in its activities. Students are encouraged to develop an understanding and consistent practice of approved social graces and to participate in recreational activities which contribute to a well-balanced personality.

5. *Aesthetic Objectives.* The college seeks to develop in students an acquaintance with the masterpieces in literature and the fine arts, a knowledge of their historical development, an appreciation of the standards and types of beauty represented by them, and proficiency in their creation and presentation.

6. *Civic Objectives.* The college endeavors to give its students an intelligent understanding of the principles of government and to develop in them a willingness to accept the responsibilities and privileges of citizenship, a recognition of the constitutional right of other individuals and social groups, a well-founded understanding of the leading domestic and international principles, and a willingness to operate in bringing about the improvement of the social order.

7. *Physical Objectives.* The physical education program is de-



## The College

signed to give students an intelligent understanding of the principles governing the function and proper care of the body. It seeks also to establish in students a consistent observance of habits and practices which foster maximum physical vitality and health. Emphasis is placed on intelligent recreational use of leisure time and on co-operation with others in the improvement of the physical well-being of society.

8. *Practical Objectives.* La Sierra College is a liberal arts institution in all the senses noted above. In addition to developing the general abilities implied in a liberal arts program, the curriculums and the extra curricular life of the campus are designed to develop practical and professional skills which can be used in selected vocations. These vocations are not limited to the professions. Many students come to college with skill in various trades. Those who are not thus skilled are encouraged to learn a skill in one of the various industrial arts curriculums, and all are urged to participate in the program of manual labor on the campus, including building and grounds maintenance, food service, farm and dairy, and other self-help employment. Off campus employment is also available.

Not only do these work activities aid the students financially; they are part of a training in resourcefulness and dependability. Thus work supervisors contribute an essential part in the plan of Christian education. The aim is to graduate students with a reasonable cultural background, a professional competence, and a practical, manual skill. Those especially who elect foreign mission service as a career are in this way prepared to perform the varied functions of leadership in primitive societies on all levels.

In short, it is the objective of the College to furnish a complete educational plan, helping each student to become a "whole man" so that he can make the greatest possible contribution to society.



# THE CAMPUS

## LOCATION

La Sierra College is located ten miles southwest of the city of Riverside, fifty miles east of Los Angeles, and twenty miles southwest of Loma Linda. The college has easy access by bus, train, and paved highway to all cultural and educational centers of Southern California.

The college buildings are grouped on a gentle slope overlooking the Riverside valley, with its world famous citrus and walnut groves and palm-lined boulevards. During the winter months the snow-clad peaks of the surrounding ranges can be seen rising above the orange groves, a view of rare beauty from the campus.

## BUILDINGS, EQUIPMENT, AND GROUNDS

The college plant consists of fourteen main buildings of similar architecture attractively grouped on the thirty-acre campus, and, in addition, a physical education building, three industrial buildings, and a general store. A quarter of a mile from the campus are the barns, stables, dairy, and creamery of the college farm.

THE ADMINISTRATION BUILDING and J. E. FULTON MEMORIAL LIBRARY (built in 1946) contains the administrative and business offices of the college and the offices and classrooms of the Business Division. The library reading room has a seating capacity of 250 students. A reserve book reading room accommodates 50 students. The library is modern in its equipment and arrangement, including a librarian's office, work rooms, and two floors of fireproof stacks, with a total capacity of 80,000 volumes. A microfilm room is fitted with reading machines and storage cabinets. A collection of phonograph records and a player are available in the library.

LA SIERRA HALL (built in 1923) occupies a central position on the campus. It contains offices and classrooms of the Divisions of Religion, Social Sciences, Language, and Literature.

SAN FERNANDO HALL (built in 1931) contains teachers' offices, classrooms, and laboratories of the Departments of Physics and Mathematics.

PALMER HALL (built in 1952) houses the Biology and Chemistry departments. Built in a U-shape, the structure contains 30,000 square feet of space for classrooms, laboratories, offices, biology museum, and a branch library.

THE HOLE MEMORIAL AUDITORIUM BUILDING (built in 1937) contains the music studios, a large practice hall, and numerous student practice rooms on the upper floor. The heart of the building

## The Campus

is the college chapel, containing the concert organ and seating 750. On the lower floor of this building is the Educational Center, including offices, classrooms, audio-visual laboratory, testing service, and another auditorium that seats 300.

AMBS HALL (built in 1949) is the industrial arts building and contains teachers' offices, classrooms, and laboratories for courses in home economics, agriculture, wood trades, and drafting.

THE COMMUNICATION ARTS BUILDING (built in 1959) contains teachers' offices and classrooms for the speech department. It also houses the studios and control room for station KSDA-FM, and the speech and hearing clinical facilities. The Outdoor Concert Plaza is located at the front of the building.

THE DEMONSTRATION SCHOOL FOR ELEMENTARY EDUCATION (built in 1947), located northeast of the main campus, combines the functions of parochial school for the community and demonstration school for the Department of Elementary Education. There are thirteen classrooms and teachers' offices. Each classroom has space for activities. The construction is mainly of fireproof Latiteel.

MU BETA KAPPA (built in 1922), residence hall for men, is one of the two original buildings on the campus. It contains fifty-one student rooms and the office and living quarters of the assistant dean of men.

GLADWYN HALL (built in 1922), residence hall for women, is the other original building, erected the first year of the school. It contains forty-three student rooms and the office and living quarters of the assistant dean of women.

CALKINS HALL (originally built in 1938 with an addition completed in 1960), residence hall for men, contains one hundred twenty-three rooms, the office and living quarters for the dean of men, and an infirmary.

ANGWIN HALL (originally built in 1940 with additions completed in 1956 and 1962) contains a large parlor and lobby, office and living quarters for the dean of women, and one hundred thirty-six student rooms. Angwin Hall also houses the Student Health Service.

MATHESON MEMORIAL CHAPEL (built in 1951), with seats for three hundred, is a place of worship for dormitory men. In addition to being used for evening worship, the building is always open for private devotion.

THE CAFETERIA (built in 1941) contains on the main floor a dining room seating four hundred, a smaller dining room known as the Clubroom, and the Art Gallery. On the lower floor are located the Public Affairs Office, the office and rooms of the Art Department, the kitchen, and the bakery.



## The Campus

COLLEGE HALL (built in 1935), is the gymnasium and recreation center for the college.

THE INDUSTRIAL BUILDINGS include the La Sierra College Press, the laundry, the college store, and a shop housing wood and metal working equipment and offices for industrial superintendents.

THE COLLEGE FARM consists of some four hundred acres, two-thirds of it is under irrigation. Two deep wells equipped with turbine pumps furnish the water for irrigation and domestic purposes. The college has a dairy herd of about two hundred head, and a modern creamery and ice cream plant.

THE CHURCH (built in 1947), a beautiful house of worship for college and community, is located north of the campus on college property. It has a seating capacity of more than 2,200 in the main auditorium. A large church pipe organ was installed in the church in the spring of 1952.

THE DEMONSTRATION SCHOOL FOR SECONDARY EDUCATION is a modern unit with 18,000 square feet of space. Built in a U-shape, the building contains classrooms, 8 teachers' offices, laboratories for home economics and chemistry, a chapel seating 300, a library, administrative offices, and various work and storage rooms.

HEALTH AND PHYSICAL EDUCATION FACILITIES. During the early part of 1961 the first stage of the Health and Physical Education facilities was completed. A modern locker room with offices, classroom and therapy room constitute the indoor facilities. An adequate area for outdoor activities include a heated pool, gymnastic court, tennis courts, multiple-use area, archery range, and recreation fields. In the near future the final stage will be completed, which will include such indoor facilities as gymnasium, corrective and posture room, classroom, and recreation, health, and fitness laboratories.

# GENERAL INFORMATION FOR STUDENTS

## ADMISSION

### APPLICATION PROCEDURE

La Sierra College follows a policy of selective admission. The chief factors considered in determining eligibility are: (1) character, (2) citizenship, (3) scholarship. Formal application is made on blanks supplied by the college, accompanied by a fee of \$5 and a picture of the applicant. This application should be on file at the Admissions Office at least thirty days before the student desires to enter.

*Under no circumstances should a student come to the college before receiving formal notice of acceptance by the Admissions Committee.*

The applicant should request the registrars of all schools attended to submit directly to the Admissions Office at La Sierra College official transcripts of record indicating all previous secondary school and college work. It is the responsibility of the applicant to see that such credentials are sent to La Sierra College at the time application is made. Students whose transcripts are, for acceptable reasons, not on file at the time of registration may be given a tentative schedule for a period not to exceed fifteen days, pending receipt of transcript.

All correspondence concerning admissions should be addressed to the Admissions Office, La Sierra College, La Sierra, California.

When a student who plans to live in one of the residence halls receives notice of acceptance, he should send to the Business Office \$20 for a room deposit, because notice of acceptance does not automatically reserve a room in the school homes. This deposit will be held in reserve until two weeks after the student has checked out of the residence hall.

### MEDICAL EXAMINATIONS

All new students, and former students who have not been in attendance for two or more consecutive semesters, are required to obtain a physical examination and to have a report prepared and mailed *by the physician* to the Admissions Office before registration. No one may begin registration until the medical report has been approved.

### ADMISSION TO FRESHMAN STANDING

Graduates of accredited secondary schools may be admitted as regular college students upon presentation of an official transcript certifying completion of 16 units with an average grade no lower than C (where the passing grades are A, B, C, D).

Although the pattern of subjects required for entrance is not rigidly prescribed, it is recommended that the prospective college student give primary emphasis in his high school program to the subjects which are considered especially valuable as preparation for



## General Information

enrollment in a liberal arts college, with particular attention to the prerequisites of the field in which he intends to concentrate.

### ADMISSION BY EXAMINATION

Graduates of unaccredited secondary schools, or graduates who through no fault of their own, are unable to furnish complete credits may qualify for freshman standing by passing such examinations as the Academic Standards Committee shall determine. These examinations should be taken before the student completes his registration.

### PROVISIONAL ADMISSION

Applicants who in the opinion of the Admissions Committee are qualified to carry college work but who do not fulfill the specified pattern for regular admission may be admitted subject to advisement regarding their proposed curriculum. Entrance deficiencies must be removed as soon as possible, which in most instances will be before the beginning of the second academic year.

### ADMISSION TO ADVANCED STANDING

A transfer student wishing advanced standing must request that the school from which he is transferring send directly to the registrar of La Sierra College an official transcript of record and a certificate of honorable dismissal from a school of recognized collegiate rank. He must have a grade average of at least C in acceptable academic credits. Advanced standing is provisional for the first semester in residence. During this semester the student must maintain an average grade of at least C in order to achieve permanent standing.

No portion of any previous college record may be omitted by the student applying at La Sierra College for advanced standing, and any subsequent work taken at a college or university other than La Sierra must likewise be reported to the registrar here by official transcript should the student re-enter La Sierra College.

### ADMISSION TO VETERANS

Veterans' applications are considered on the same basis as those of other students. Since many military training units have only a temporary life, it is the responsibility of the veteran to have and present official certificates describing any service-connected education for which college credit is desired. Such credit will be allowed on the basis of recommendations found in the *Guide* of the American Council on Education, or in the recommendations of the California Committee for the Study of Education. All requests for the evaluation of service-connected education credits should be addressed to the registrar of the college.

## STUDENT PERSONNEL SERVICE

### ORIENTATION

All new students are required to attend the program of orientation which precedes registration each year. This program is con-



## General Information

ducted to familiarize the student with the traditions, ideals, policies, ethics, and regulations of the college. In return, the college endeavors to become better acquainted with the new students so that its personnel may give wise guidance to each.

### GUIDANCE

The dean of students administers the guidance program of the college. This program takes into account the student's preparatory school record, his college entrance tests, and his own needs. For purposes of personal counseling relative to choice of vocation, scholarship, discipline, and other individualized interests and problems, each student is invited to select a personal counselor from the faculty. This counselor may or may not be the student's assigned curriculum adviser.

### PLACEMENT

One of the services of the student personnel program of the college is help toward the appointment of its graduates to positions for which they have prepared. This service to seniors and alumni is maintained without fee or commission. The placement office keeps credentials of the graduates and on request transmits copies of the student's record and recommendations to prospective employers.

### RESIDENCE

The greatest profit and enjoyment and the greatest opportunity for full participation in the spiritual, scholastic, and social activities of the college undoubtedly come to the students who live on the campus. Therefore, all unmarried students who do not reside with their parents, close relatives, or legal guardians are expected to live in the residence halls on the campus.

Exceptions are occasionally made for mature and trustworthy students who may, on written request, be given permission to work in approved private homes for their entire room and board.

For information as to room furnishings to be supplied by the student, see the student HANDBOOK.

Married students who attend La Sierra find it necessary to locate housing in the village. Since this is a college community, a number of residents in the village rent apartments suitable for married students. The college has only 12 small unfurnished units, and these always have a long waiting list. Our married students, however, do not find it difficult to obtain appropriate housing.

### HEALTH SERVICE

It is the purpose of the college to encourage the development of the physical powers as well as the mental and spiritual. The health service is under the direction of a registered resident nurse.



## Campus Organizations and Activities

### PHYSICAL EDUCATION PROGRAM

In addition to providing the health service, the college gives attention to physical fitness through recreational opportunities and through courses designed to strengthen and develop the body. These courses include gymnastics and field exercises, swimming for life-saving as well as for health, body-building recreational activities, and instruction in healthful living.

Since so many college students leave school to follow a sedentary profession, one which usually does not continue body-building and may involve considerable strain on the physical and nervous system, an attempt is made to interest each student in some health-building activity which he will carry over into adult life.

### CAMPUS ORGANIZATIONS AND ACTIVITIES

Opportunities are offered for growth and experience which leadership in student organizations affords. All campus clubs are governed by a constitution or set of by-laws which have been approved by the student affairs committee.

THE ASSOCIATED STUDENTS OF LA SIERRA COLLEGE is a campus-wide organization to which all students and teachers belong. Its activities include social, cultural, and spiritual phases of college life.

THE COLLEGIATE CHRISTIAN LEAGUE is designed to give opportunity for student expression of Christian ideals. Bands for those interested in medical missionary work, missionary correspondence, literature distribution, and Christian help work are under the direction of this organization.

THE MINISTERIAL FELLOWSHIP is an organization primarily for those men and women who plan to be gospel workers and who wish to begin their service while in college.

THE LA SIERRA COLLEGE CHAPTER OF THE AMERICAN TEMPERANCE SOCIETY is an organization active in combating the liquor and tobacco traffic and in presenting temperance principles to the world. The society is open to everyone interested.

## Campus Organizations and Activities

SIGMA PHI KAPPA is a club whose objectives are to encourage an expression of individual ideas and to promote social development among the women of the college.

MU BETA KAPPA is an organization for the promotion of good will and general culture among the men students.

THE ARTS AND LETTERS GUILD is designed to cultivate a greater appreciation of the finer things of life and to provide opportunity for entertaining study of the literary and graphic fine arts. The guild offers opportunity to those thus interested to gather periodically in an informal way for mutual enjoyment.

THE LA SIERRA COLLEGE BIOLOGY CLUB aims to further the interests of all students of biology; to unify and promote good fellowship with those who desire personal enrichment through its activities; to engender a love for the wholesomeness of personal contact with the out-of-doors. Membership is open to all biology majors and minors. Others interested may become associate members by invitation.

THE HOME ECONOMICS CLUB is affiliated with the American Home Economics Association. It is open to all interested students, both men and women. The purpose of the club is to broaden cultural interests through educational and social activities.

THE INTERNATIONAL RELATIONS CLUB is open to college men and women wishing to participate in study and discussion of the social, religious, and political interrelations of the nations in today's world. The club is a local chapter of an organization sponsored by the Carnegie Endowment for International Peace.

LAMBDA RHO UPSILON endeavors to foster extracurricular interest in chemistry. Membership is open by invitation to students who elect to major in chemistry. Juniors and seniors qualify for active membership, and students below junior standing qualify for associate membership.

LE CERCLE FRANCAIS aims to foster an interest in France and its culture. Although this club is organized primarily for students in the French department, others who are interested in the French language or in French culture are invited to join.

DEUTSCHER VEREIN is a club designed to create among the students of German an interest in and understanding of the German people, their culture, and their contribution to the world's heritage in the field of language, literature, music, and science.



## Publications

THE PHYSICS CLUB has for its purpose the fostering of interest in physics and its applications in all fields of human activity. Membership is limited to physics and mathematics majors and minors. Others who have a special interest in this field may become associate members by invitation. Facilities of the physics laboratory and shop are made available for project work sponsored by the club.

THE TEACHERS OF TOMORROW organization is a laboratory school for the enrichment of preprofessional experience in educational thought, leadership, and service. The organization provides an opportunity for future teachers to gain a practical knowledge and appreciation of their chosen profession, its purposes, its possibilities, its problems, and its leaders. This club was the first of its kind to be organized and the first to use the name. The General Conference Department of Education subsequently encouraged similar clubs in other places.

THE GUILD STUDENT GROUP of the American Guild of Organists has been authorized at La Sierra College by the national headquarters in New York. Its purpose is to promote good church music and to develop an interest in the work of the American Guild of Organists.

THE COLPORTEUR CLUB promotes interest in colporteur evangelism. All students interested in the aims of this organization are eligible for membership.

THE PHOTOGRAPHY CLUB, with its membership composed of those with some experience and much interest in things photographic, serves the double purpose of providing a hobby activity and making permanent pictorial records of important events of the school year.

THE RADIO CLUB has for its purpose the increasing of knowledge and skill in short wave communication. The club maintains transmitting and receiving equipment for the use of its members.

THE ENGLISH CLUB is for all — whether English majors or minors or not — who are interested in creative writing, literature, or language.

## PUBLICATIONS

THE COLLEGE CRITERION. The college weekly newspaper is written and edited by students and is the official publication of the Associated Student Body.

THE METEOR. The yearbook is also written and edited by the students. Its purpose is to present a picture and story of campus life at La Sierra College.

## Principles of Conduct

LA SIERRA COLLEGE BULLETIN. The BULLETIN is published at stated times during the year, giving information about the college, its departments, plans, and work. The catalog issue, an annual number, contains information about the organization of the college, course offerings, financial information, board members, faculty, other staff members, and the most recent graduating class.

## ALUMNI ASSOCIATION

The purpose of the La Sierra College Alumni Association is to promote a spirit of fraternity among the alumni and to maintain their interest in the college.

## PRINCIPLES OF CONDUCT

It is the purpose of the college to develop strong men and women with the high standards of scholarship and the self-discipline necessary for Christian leadership. The campus government and discipline, therefore, are founded upon the principle that character building is the highest object of education and that a good name, standing for integrity, honor, and godliness, is the objective alike of the student for himself and of the college for him.

No religious test is applied, but all students are expected to give respect to the Word of God, to attend religious services, and to abide by the regulations of the college as listed in the student handbook (supplied on request or when the student is notified of his acceptance), or as announced by the faculty. The regulations at La Sierra College have developed from the experience of students and teachers. Each rule and traditional practice is a guidepost directing the student to successful and effective campus living, left there by those who have gone before. *Application and enrollment constitute on the part of the student an agreement and a pledge to honor and observe the habits, manners, and regulations prevailing in the college.*

As the college retains to itself complete freedom of judgment in the admission of a student, so also it must be the sole arbiter of the fitness of the student to continue his residence and study in the school. Any student who does not maintain a satisfactory level of scholarship or who, in the judgment of the faculty or its properly authorized committees, is found to be unresponsive or uncooperative in his relation to the objectives of the college, or unfaithful to his pledge, may be deprived of membership without specific charges.



## Financial Information

### FINANCIAL INFORMATION

Without prior notice, the College Board reserves the right to make changes in the rates and fees as published herein. It is contemplated that such changes would be made only in unusual circumstances. Apply to Loma Linda University for information about the graduate school.

#### APPLICATION FEE

A fee of \$5 must accompany the application from every new student. Students who have previously registered in the college or who are graduates of the La Sierra Academy will not be required to pay the application fee. This fee covers the cost of checking transcripts and recommendations.

#### GUARANTEE DEPOSIT

All students are required to pay the cashier their guarantee deposit before beginning registration. This includes veterans, state scholarship recipients and all other persons receiving financial aid.

The guarantee deposit is \$200. for resident (boarding) students and \$100. for non-boarding, or day students.

The guarantee deposit will be credited to the account at the end of the school year, or whenever the student withdraws.

#### TUITION

All laboratory fees and rentals (typewriter, piano and organ), are included in the tuition.

Credit Hours	Tuition per Semester	Credit Hours	Tuition per Semester
1 .....	\$ 30.00	11 .....	\$330.00
2 .....	60.00	12 .....	360.00
3 .....	90.00	13 .....	367.00
4 .....	120.00	14 .....	375.00
5 .....	150.00	15 .....	382.00
6 .....	180.00	16 .....	390.00
7 .....	210.00	17 .....	414.50
8 .....	240.00	18 .....	439.00
9 .....	270.00	19 .....	463.50
10 .....	300.00		

Summer School rate for 1962: \$28.00 per credit hour.

The tuition rate for courses numbered 200 and above is \$25.00 per semester hour.

The above tuition is divided into four monthly installments each semester as follows: First semester, October 31, November 30, December 31, and January 31; second semester, February 28, March 31, April 30, and May 31. Tuition for summer school is charged at the beginning of each term. Statements are prepared each calendar month and are payable upon presentation and past due after the 15th of the month.

Tuition charges are based upon the number of hours of college credit in the course for which the student has registered, as shown by the records in the office of the registrar and business office. The same tuition is charged whether the course is taken for credit or audit.

## Financial Information

### SEMESTER FEE

GENERAL FEE\* (per semester) ..... \$32.00

\*Includes:

ASLSC Fees\*\* ..... 7.50

The fee includes ASLSC membership and one half of the annual subscription price to the student publications. Refunds are made only if the student discontinues all classes within two weeks of registration.

Lyceum\*\* ..... 3.00

This fee provides the student with admission to all artist and lyceum numbers.

Insurance\*\* ..... 7.50

Registration ..... 11.00

Physical Education Fee ..... 3.00

\*\*Optional to students taking less than 5 credit hours.

### SPECIAL FEES

Special examination ..... \$ 3.00

Evaluation sheets for non-registrants ..... 3.00

Late class change (after first two weeks) ..... 1.00

Degree\* ..... 25.00

Diploma — Professional ..... 5.00

Late registration ..... 5.00

Reregistration Fee ..... 3.00

English for Foreign Students — charged on the basis of 2 hours tuition.

OA English — charged on the basis of 2 hours tuition.

Reading Improvement — charged on the basis of 3 hours tuition.

\*Includes: diploma, cap and gown (without hood), and graduate record examination.

Students taking music or typing *only* will pay the following rentals:

	Per Month
Typewriter, one period per day .....	\$ 1.50
Music Instruments .....	1.50

Music Rentals:

	Per Semester
Practice Room, one hour a day .....	\$ 5.00
Practice Room, two hours a day .....	8.00
Pipe Organ, Estey, two hours a week .....	14.00
Pipe Organ, Wicks, two hours a week .....	14.00
Hammond Organ, three hours a week .....	10.00

Single practice periods are charged as follows:

Estey Organ .....	\$ .50
Wicks Organ .....	.50
Hammond Organ .....	.35

### PRIVATE MUSIC AND SPEECH LESSONS

The fee for private (half hour) lessons is as follows:

	One Lesson per Week	Two Lessons per Week
College Instructors .....	\$45 per semester	\$81 per semester
Student Teachers .....	\$30 per semester	\$54 per semester

Single lessons are \$4 each.



## Financial Information

No refunds are made for occasional absence, whether caused by sickness or other reasons. Lessons falling on holidays, field days, or vacations are not made up. Lessons missed through the fault of the instructor will be made up. When the lessons taken in a semester number less than 8, they will be charged for at the single lesson rate of \$4.00. When credit is earned from private lessons a regular tuition charge is made in addition to the lesson fee.

### ROOM RENT

Gladwyn Hall and Mu Beta Kappa ..... \$29.00 per month  
Angwin Hall and Calkins Hall ..... \$29.00 - \$33.00 per month  
depending on facilities.  
Apartments in Angwin Hall ..... \$38.00 per month  
per occupant, with no minimum board charge

Each student planning to live in a residence hall at the college must pay a \$20 room deposit. This deposit will be held in reserve until two weeks after the student has checked out of the hall. *If for any cause the student should be unable to attend school, the request for refund must be received not later than one month before the opening of school.* No refunds are granted for vacation periods.

The above charges are on the basis of two students in a room and include free laundry for all flat work. Laundry in addition to flat work will be charged for at nominal prices. No refund will be made if a student does not avail himself of the laundry services. All of the rooms in the residence halls are equipped with twin beds, twin closets, and hot and cold running water. The corner rooms in Angwin Hall and in Calkins annexes are equipped with complete bathroom facilities, and some wings have a private bath between each two rooms.

If a student wishes to room alone, he may be permitted to do so, as long as rooms are available, at an extra charge of \$5.00 per month.

Each student is furnished a key for which he signs when he occupies the room. No key deposit is charged. Unless the room key is returned to the dean and the room left in good order a charge of \$3.00 for non-return of key and \$5.00 for untidy room will be made against the student and deducted from the room deposit. Any damage to a room will be charged to the account of the student living in that room.

Students may have a maximum of 200 watts of electricity in their rooms; a charge will be made for excess wattage.

### BOARD

Board is furnished on the cafeteria plan. The meals are served in a beautiful up-to-date dining room, which is equipped with the latest hygienic equipment obtainable.

## **Financial Information**

The minimum charge for dormitory students per month for men is \$28; for women, \$23. This charge is for meals served at the tray-line, and is not to be used for groceries or bulk foods. However, if a student leaves the campus or is sick for more than a week at a time, he will not be charged the full amount of the minimum board.

Snack bar tickets may be purchased from the cashier in the business office. They will be charged to the board bill in addition to the minimum board.

### **BREAKAGE TICKETS AND FIELD TRIP CHARGES**

Each student who enrolls in one or more chemistry courses is required to purchase, at the time of enrollment, one breakage ticket, the price of which is \$10. Breakage tickets at \$5.00 each are required in biology courses using breakable equipment. The breakage ticket is drawn upon to pay for equipment which the student damages or destroys in his work. Should the ticket be consumed before the end of the course, a new one is to be purchased. The unused portion of a ticket is credited back to the student's account at the end of the course. In certain biology classes which require extensive field work, a charge of \$5.00 to \$10.00 will be made for transportation. Such charges are indicated in the description of courses.

### **MEDICAL CARE**

The Health Service fee which is included in the tuition applies toward the expenses of maintaining a nursing staff at the college. It does not include doctor's fees, medication, prolonged nursing care, or physical therapy treatments.

If it becomes necessary to commit a student to the infirmary, a charge of \$2.00 per day will be made for its use.

### **ACCIDENT AND SICKNESS INSURANCE**

Student accident and sickness insurance is carried by the college under a blanket policy. The cost of this insurance is \$7.50 per semester and is included in the general fee.

Accident and sickness insurance is optional during the regular semester for students carrying less than five hours; however, such a student may obtain this insurance by paying the \$7.50 per semester.

Since there is no general fee charged during the summer, an insurance fee of \$5.00 will be charged each student and is payable in advance with the tuition fee.



## Financial Information

### AUTOMOBILE REGISTRATION, AND PARKING FEE

Each student (village or resident) who owns or has the use of an automobile is required to register it with the College. Failure to register a motor vehicle when it is used by a student makes him subject to severe disciplinary action, plus a fine (see Student Handbook under "La Sierra College Motor Vehicle Code").

Dormitory students who operate automobiles will be charged \$7.50 per semester to cover parking and supervision. Non-dormitory students will be charged \$1.50 per semester for registration and parking.

### COLLEGE STORE

Books, school supplies, and stationery may be obtained at the College Store. *All purchases are on a cash basis. No exceptions will be made.*

### TRANSCRIPTS OF CREDIT

One complete transcript of credits will be made upon request, free of charge. For each additional transcript issued, a fee of \$1.00 must be paid in advance.

*Diplomas and transcripts of credits will not be issued until accounts with the college are fully paid.*

### PAYMENTS

Money for the payment of accounts should be sent directly to the business office of the College and should be made payable to La Sierra College.

Money sent to the student for personal use should be made payable to the student and not to the College.

*Money for a student's personal use and for school expenses should not be combined in one check.*

### REBATES

Tuition rebates for all classes dropped are effective at the end of the week in which the drop voucher, properly signed, is filed with the registrar. It is the responsibility of the student to see that the voucher reaches the registrar. Rebates are not retroactive.

### CASH ON ACCOUNT

*No student is allowed to draw cash on his account unless the business office has a written authorization from the person responsible for the account.*

## Student Aid

### THE STUDENT BANK

Provision is made for students to deposit in the Student Bank in the business office of the college such money as they may wish to have on hand for books, school supplies, and personal expenses. This money the student may withdraw at any time without question, or as parent or guardian may designate, by signing the passbook.

### LABOR CREDIT

It is especially stipulated that labor given to students, including labor in the student center, is not paid for in cash, but all earnings are to be credited to the account of the student for tuition, fees, and resident expenses. Labor credits cannot be transferred to any person without written permission of the person having the credit. Students accepting employment in any department agree to the provisions as stated above.

The student who wishes to have the title on his labor credits paid directly to the Southeastern California Conference, may arrange to have this done by signing an authorization form in the business office.

## STUDENT AID: AWARDS, GRANTS, AND LOANS

Three types of aid are available for La Sierra College students. *Merit awards* go to those who qualify according to the specifications listed below. *Grants in aid* from college funds and gifts of alumni and friends are available upon application to the Student Aid Committee on the basis of worthiness and need. Students who have sufficient funds available should not apply. Applications to the Committee may be acted upon only after the applicant has been admitted to the college. *Loans* through the National Defense Education Act are available at a low interest rate to be repaid after the student leaves school. Students who become teachers are accorded special consideration in repayment. Other sources of financing are available. Information about loans can be obtained at the office of the credit manager.

### SPECIAL AWARDS

*The Howard O. Welty Loyal Daughter Memorial Awards:* two awards of \$300 each made annually to a sophomore, junior or senior woman whose qualifications and need have been established by the Student Aid Committee according to stated provisions of the award. This award is made by selection and not upon application.

*The Idylwood Award for Future Teachers:* an annual award of \$300.00 to assist a deserving student who plans to follow the teaching profession. This award is awarded upon application only.

*The Herbert Judson Memorial Award:* income on a \$5,000.00 endowment fund is available to qualified agriculture students.



## Student Aid

*The Zoella N. Brady Memorial Scholarships:* two \$350.00 awards annually for qualified worthy students.

*The I. G. Ortnier Awards:* two awards of approximately \$250.00 each are made annually to students who show unusual promise in Business Administration or Secretarial Science.

### SECONDARY SCHOOL SENIOR AWARDS

A special fund has been established from which awards are made each year to selected graduates of Seventh-day Adventist secondary schools. Selection is based upon scholarship and citizenship records at the secondary level. Three \$200 awards are available to each secondary graduating class, one to be given to the valedictorian with the remaining two selected by the secondary school faculty.

### MILITARY VETERANS

Veterans wishing information as to the benefits to which they are entitled and the procedure for obtaining these benefits may apply to the nearest office of the Veterans Administration. Veterans who were citizens of California at the time of induction may obtain additional aid from the California Veterans Welfare Board. Application forms may be obtained from the board office in Sacramento.

La Sierra College has been authorized to admit veterans of the Korean War under the Vocational Rehabilitation Program, Public Law 550, 82nd Congress, 1952.

Veterans wishing to attend school under the provisions of Public Law 550 should make application to the Veterans Administration. The Veterans Administration will send to the college a "Certificate for Education and Training" (Form 7-1993). This form must be received by the college before the veteran will be authorized to receive his benefits. Therefore, to avoid delay, the veteran should make application far enough in advance, enabling the Veterans Administration to process his application before the school term begins. Veterans under Public Law 550 must pay the regular guarantee deposit at the time of registration and all expenses incurred thereafter because the Veterans Administration sends the benefits to the veterans and not directly to the school.

Veterans planning for training under the State of California Educational Institute plan should evidence their intention by presenting an "Authorization Certificate" from the State of California. Veterans who cannot furnish a certificate when registering must pay the regular guarantee deposit.

All veterans should plan to have sufficient funds to cover at least two months' living expenses when applying for veterans benefits. Personal accounts for board, room, and laundry must be paid

## **Student Aid**

each month as presented. The college cannot carry personal accounts in anticipation of governmental subsidies.

## **COLPORTEURS**

Students who wish to sell Seventh-day Adventist literature will be awarded special scholarships which will be arranged between the publishers, the conferences, and the college.



## ACADEMIC INFORMATION

### ACADEMIC REGULATIONS AND POLICIES

#### REGISTRATION

An orientation program for the freshmen is provided at the opening of the year. The purpose of this program is to introduce the freshman to school life and to help him plan his program. Attendance of all freshman students is required, the only exception being those students who have attended La Sierra College a year but who do not have sufficient credits for sophomore standing. During this period certain required tests are administered to the freshmen, the results of which aid the advisers in their work of counseling and registering the students.

Other students are expected to be present for the regular registration days. There is a \$5.00 fee for registration completed after regularly announced registration days.

Late registration is permitted for the first two weeks of each semester and for the first three days of the summer session. Students wishing to enter later must meet the following stipulations: (1) obtain permission from the dean of the college; (2) pay the late registration fee as indicated above; (3) submit to a reduction of class load by one credit hour for each week missed, including the first two; (4) make up the work missed in the classes to which they are admitted. Such limited registration is allowable only in instances where the student has been hindered by genuinely emergency conditions and then only in classes where making up the missed work is feasible on tutorial or conference basis with appropriate written evidence of required achievement. Counting from the opening of the semester, no student will be accepted for regular class work after four weeks of the semester or three days of the summer sessions.

#### ENTRANCE APTITUDE AND PLACEMENT TESTS

Freshman and other students new to La Sierra College for whom aptitude and placement scores are not available are required to take tests that provide such scores before they register. The tests are to be taken on designated days. The college reserves the right to control the academic program of the student on the strength of the test returns.

All lower division students entering La Sierra College for the first time and all other students who do not have credit in Freshman English from some other college are required to take the English Placement Test. The purpose of this examination is to test the student's ability to write the English language acceptably, demonstrating a knowledge of spelling, grammar, punctuation, and sentence structure. Students who are low on the English Placement Test will

## **Academic Regulations and Policies**

be required to enroll in course English OA, Functional Grammar and Language Elements, and to pass a satisfactory examination in the subject before being eligible for Freshman English 1-2.

### **CLASS LOAD CONTROL**

No student will be permitted to take more than 16 semester hours and one-half hour of physical education except by petition. Permission may be granted for 17 semester hours and one-half hour of physical education only if the student has maintained during the preceding semester of residence a minimum grade point average of 2.5; or 18 semester hours and one-half hour of physical education with a minimum grade point average of 3.0. Under no circumstances does the college permit a student to carry more than 18 semester hours and one-half hour of physical education. If at any time during the term the student's work falls below an average of 2.0 he may be asked to reduce his load.

A student who feels that he must work in excess of sixteen hours per week should consult the dean of students and other appropriate registration advisers, who will examine the student's grade record and learning competence before deciding upon the permissible study load of the student. Any student working at self-help employment as much as twenty hours per week doubtless will need to reduce his class load.

### **SCHOLARSHIP PROBATION**

A student is placed on scholastic probation whenever his grade point average falls below 2.0. This means that his scholastic schedule and habits are subject to review by his counsellor, the dean of students, and the dean of the college. He may be called upon to reduce his class load, curtail extracurricular activities, improve study methods, or change his curriculum. A student on scholarship probation for two consecutive semesters may be asked to withdraw from college. He may be readmitted only when there is evidence that the cause of the poor scholarship has been removed. By advisement and administration, the college uses every means at its command to help students do their best work and realize their ambitions.

### **PROGRAM CHANGES**

Program changes are negotiated by use of a voucher obtained from the Registrar's office. With the consent of the adviser and the instructors involved, a student may change his program of studies, if the change involves entering a new course, during only the first five school days of the semester. Thereafter a program change may involve only the dropping of courses. After ten school days a fee of \$1.00 is charged for a program change.

During the first six weeks of a semester, courses may be dropped without academic penalty (W). Courses dropped after the sixth week and before the end of the tenth week will be recorded as failures (Wf) unless the instructor notes on the drop voucher that the student is currently doing passing work, in which case a W



## Academic Regulations and Policies

will be recorded. Following the tenth week all courses dropped will be recorded as failures (Wf). Exceptions may be made when a student is forced to drop because of circumstances beyond his control.

### STUDIES FOR HONORS

The Honors Program at La Sierra College is designed to encourage independent scholarship on the part of students whose scholastic record indicates their ability to go beyond the regular work in their major studies. The program is under the direction of the Honors Committee and is administered by those department heads who have provided honors courses in their departments. The courses which are available for honors credit are listed in the departmental sections of this bulletin.

Honors credit is earned by carrying on a project arising from the work of a regular course. The honors student must enroll in the honors course separately, listing it with the same title and number as the regular course but with "H" following the number. The amount of credit is assigned by the instructor and may apply toward the total major requirement. The honors course may be continued or enrolled in during the term following the regular course. Honors credit will not be recorded unless the grade in the regular course is B or better.

### ELIGIBILITY

In order to undertake an honors course a student must have a grade point average of 3.0 or better in his major subject and in his entire college program.

In order to graduate with honors a student must complete six hours of "H" courses in his major subject and maintain a superior citizenship record.

In order to graduate with highest honors, a student must complete eight hours of "H" courses while maintaining a grade point average of 3.5 in the honors courses, in the major, and in the entire college program; pass a final examination in the major with distinction; and maintain a superior citizenship record during two years of residence in the upper division at La Sierra College.

The Honors Committee reviews the record of the honors candidate, evaluates his independent projects, and determines whether or not he will be accorded honors at graduation.

### THE LSC YEAR ABROAD

Beginning with the academic year 1962-63, La Sierra College begins an on going program of affiliation with the Seminaire Adventiste at Collonges Sovs Saleve, France, whereby a limited number of qualified students may spend a year, preferably their sophomore year, on the European campus. A member of the College faculty travels with the group and is resident as an adviser on the campus at Collonges throughout the year abroad. The requirements for admission to the program are the same as those for admission to the

## **Academic Regulations and Policies**

College on the La Sierra campus, with the added specification that the student have a working knowledge of the French language.

For some students the year abroad will fit into the chosen curricular pattern without loss of time. Others may find it necessary to take additional courses for the completion of requirements for a degree.

Write to the La Sierra Year Abroad, La Sierra College.

### **EXTENSION EDUCATION**

Through its extension program La Sierra College offers two types of educational opportunity: (1) regular offerings for those who are pursuing degree programs, and (2) courses designed for those in the constituency who are interested in occupational improvement and cultural enrichment. Further information may be obtained from the Coordinator of Extension.

### **PRIVATE WORK, CORRESPONDENCE, AND EXTENSION CREDIT**

All private, extension, and correspondence work carried by a student enrolled in residence constitutes a part of his load and is therefore subject to permission in advance from the Registrar's office in order to earn credit. Twelve lower division hours are the permissible maximum for such credit. Correspondence credit does not apply on the major or minor. Credits earned by correspondence after failure in the same course at La Sierra College will be honored only after the successful passing of a comprehensive examination over the course, given by the appropriate instructor in the college. Credits out of harmony with these regulations, including other unauthorized course work, will not be honored by the college. Tutoring service is arranged by the staff with the consent of the Academic Standards Committee.

Credit for correspondence work which the student intends to apply toward graduation requirements must be in the hands of the registrar at La Sierra College when the student begins the final semester of his senior year.

### **ADVANCED PLACEMENT**

Secondary school seniors who have progressed at a rapid rate so that their last year involves less than a full load and whose grade point average is 3.0 or higher are eligible for an Advanced Placement course which may be offered at the secondary school by a member of the school staff who is competent to teach on the college level. The course must be approved by the head of the College department to which the credit will be transferred, and must be validated by an examination furnished by the Educational Testing Service. Arrangements must be made with the College before the course is initiated.

### **WAIVER EXAMINATIONS**

Some course requirements may be waived providing the student demonstrates proficiency by means of a waiver examination, permission for which is granted by the Academic Standards Committee



## **Academic Regulations and Policies**

upon written request. Such examinations must be taken on dates scheduled in the Activities Calendar. In the case of seniors all waiver examinations must be satisfactorily completed before the final semester of residence.

### **TRANSFER CREDITS**

Credits from schools outside the United States and its dependencies will be evaluated on the basis of standard published equivalencies or sent to official evaluation agencies.

Students with as many as 70 semester hours credit from junior and/or senior college may not submit further credit from a junior college to apply toward the 128 hours required for college graduation.

A student transferring credits from another institution must earn a C average computed separately on work taken at La Sierra College in order to qualify for graduation or certification.

Credits earned at another institution will not be issued as transfer credits accepted by La Sierra College until the student has completed a minimum of one year in successful residence at La Sierra.

Credits submitted from an unaccredited college will not be evaluated until the student has earned at least 24 hours of credit at La Sierra College.

### **SPECIAL EXAMINATIONS**

An examination missed through unavoidable circumstances may be taken late by permission of the instructor and the dean of the College, upon presentation of a permit validated by the business office for a fee of \$3.00.

### **CLASS AND CHAPEL ATTENDANCE**

Regular attendance at all class and chapel appointments is required. The Student Handbook should be consulted for details respecting privileges and penalties.

### **THE SEMESTER HOUR**

The semester hour is the unit of credit earned by attending one fifty-minute class period a week for one semester of eighteen weeks and satisfactorily meeting the course requirements, credit for each such hour being based on the standard of two hours of preparation for each class period. Three clock hours of laboratory each week, or three fifty-minute periods each week in classes not requiring outside preparation, continued for one semester, are valued at one semester hour of credit.

### **THE GRADING SYSTEM**

La Sierra College uses the four-point system in computing grade point totals. According to this system, grade points are assigned as follows: A, four points; B, three points; C, two points; D, one point; F, no points. No grade below C is counted toward majors or minors; and a C-average is required for graduation, for advancement from lower to upper division, and for various certification levels.

Grade reports and scholastic credit are given in letter grades, as follows:

## Classification of Students

Grade	Grade Points per Semester Hour
A (excellent) .....	4
B (above average) .....	3
C (average) .....	2
D (inferior) .....	1
E (warning) (This is given on mid-semester report only.)	
F (failure) .....	0
(Student must drop the course if this is a mid-semester grade.)	
Wf (withdrew failing) .....	0
I (incomplete) (Will be recorded as failure if not removed before the end of nine weeks in the next term.)	
W (withdrew, 0 hours attempted)	
S (a temporary grade indicating satisfactory work which cannot yet be assigned an evaluative grade.) .....	0

### SCHOLARSHIP REPORTS

Reports showing progress grades are issued by the registrar after the mid-semester examinations. Semester grades are issued by the registrar and recorded for permanent reference.

The midsemester grades inform the student as to the level of his achievement up to the time shown. If the report indicates that adjustments are necessary in class load, study habits, self-help labor, extracurricular activities or scholastic motivation, delay beyond this point is likely to be critically final. An E, for instance, means that the teacher judges the student capable of passing the course if he improves according to his potential; if he maintains his E performance, an F for the semester is inevitable.

## CLASSIFICATION OF STUDENTS

Students at La Sierra College are designated in academic rank according to this pattern:

### LOWER DIVISION

*Freshmen:* those having completed less than 28 semester hours.

*Sophomores:* those who have completed a minimum of 28 hours applicable on a degree and have a minimum grade average of C.

### UPPER DIVISION

*Juniors:* those who have completed at least 60 applicable hours and have a minimum grade average of C.

*Seniors:* those who lack no more than 36 hours of qualifying for graduation and have a minimum grade average of C. Students in this category may (and normally should) file application with the registrar for degree candidacy.

A student classified as a junior at the beginning of a year may be reclassified as a senior in the second semester provided he has a reasonable possibility and intention of completing graduation requirements in the next summer session.



## Degrees and Certificates

As a general rule only juniors and seniors may enroll in upper division courses, but a sophomore who has completed as few as 50 hours and has a satisfactory grade record, may be allowed to take a limited program of upper division work provided he has completed or is registered in all lower division courses listed under "General Education and Basic Requirements," p. 35-36.

*College seniors will not be given credit for freshman courses taken in the senior year even though they are required. All such courses must be taken before the student reaches senior standing.*

### GRADUATE

A student who holds a Bachelor's degree from an accredited institution may be accepted into the Graduate School of Loma Linda University and pursue studies at La Sierra College. Details of this program are described under "Graduate Study," p. 37.

### SPECIAL

Students who are beyond the usual age of degree candidates may be permitted to enroll, with the permission of the dean of the college and the instructors concerned, in certain undergraduate classes for which they have adequate preparation. This arrangement is designed to accommodate mature adults who qualify for college entrance but have some immediate educational objective not related to a degree program. Students who wish to take only a limited amount of music may be classified as special students.

## DEGREES AND CERTIFICATES

La Sierra College holds membership in the Western College Association, the Northwest Association of Secondary and Higher Schools, and is chartered by the State of California to bestow appropriate literary honors upon its graduates, including the baccalaureate degrees. The college confers the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Music Education.

The BACHELOR OF ARTS degree is conferred upon students who have fulfilled the general and basic requirements for graduation with a major field of concentration and the prescribed cognates.

Students may select a major from the following subjects:

Accounting	History
Art	Home Economics
Biblical Languages	Mathematics
Biology	Music
Business Administration	Physics
Chemistry	Psychology — Sociology
Elementary Teacher Education	Religion
English	Science-Mathematics Teaching
French (See Romance Languages)	(See Mathematics)
German	Secretarial Science
Health and Physical Education	Social Science
	Speech
	Theology (See Religion)

## Undergraduate Study

THE BACHELOR OF SCIENCE degree is conferred upon a student who completes in a satisfactory manner one of the professional curriculums appearing in this BULLETIN or approved by the Academic Standards Committee. Curriculums are in the following subjects:

Accounting	Health and Physical
Agriculture	Education
Art	Home Economics
Biology	Mathematics
Building Construction	Physics
Business Administration	Secretarial Science
Chemistry	
Elementary Education	

Minors may be taken in the same fields as the majors (except in Theology) and in addition may be taken in the following subjects:

Secondary Education	Journalism
Spanish	Sociology

The BACHELOR OF MUSIC EDUCATION degree is offered for those who wish to teach music. Requirements of the curriculum are listed under Music.

The college also grants certificates to students in the two-year Secretarial Science program.

## UNDERGRADUATE STUDY

To prepare for a bachelor's degree, the student must meet specified standards as to college entrance and amount, grade, and distribution of work in the particulars indicated below.

### ENTRANCE REQUIREMENTS

Graduates of accredited secondary schools may be admitted to curriculums leading to the degrees of Bachelor of Arts, Bachelor of Science, or Bachelor of Music Education upon presentation of an official transcript certifying completion of a minimum of 16 units with at least a C average scholarship record distributed as follows:

- a. English: 3 units
- b. At least 1 unit from each of the following areas:
  - (1) Mathematics
  - (2) Natural Science
  - (3) Social Studies
- c. Additional units to make a minimum of two units in each of two areas selected from the following:
  - (1) Mathematics
  - (2) Natural Science
  - (3) Social Studies
  - (4) Foreign Language
- d. Not more than 4 units of the 16 may be in any one field.



## Undergraduate Study

### GENERAL EDUCATION AND BASIC REQUIREMENTS

"General Education," coming mainly during the two first years, is recognized as basic in degree requirements at La Sierra College. The courses are so organized as to give the student a general grasp of those fields of knowledge regarded as significant in liberal arts education. The curriculum prescribes most of these courses in the freshman and sophomore years in order to provide an enrichment of the student's intellectual equipment and to give him balance and orientation for his major concentration and other upper division classes. Room is left in the first two years for lower division requirements for the majors. The prerequisites for a few majors substitute for certain General Education courses, as indicated in the curriculums outlined for the departments concerned. Part of the General Education requirements may be elected from upper division literature and fine arts.

The basic requirements, including General Education, are summarized below for the four-year undergraduate program:

*Applied Arts:* 3 hours. The student will select from courses approved by the Applied Arts Division. (Not approved are Home Economics 74, 75, 161, 163, 171, 174, 193, 181; Agriculture 171; Building Construction 129, 135.) Library Science 62, Secretarial Science 9, and one semester of Typewriter will apply on the requirement.

*English:* 12 hours. In addition to Freshman English (6 hours) the student must include at least 3 hours of literature and may include up to 3 hours of speech.

*Fine Arts:* 3 hours. Either of the following courses fulfills this requirement:  
General Education 57. Introduction to Visual Arts (3 hours)  
General Education 58. Introduction to Music (3 hours)  
Substitutions, on the basis of equivalent information, may be made only on recommendation of the chairman of the division.

*Health and Physical Education:* 2-4 hours. Four activity courses (2 hours) are required. Health Principles (2 hours) is also required. However, if a student can show a satisfactory course in health principles on his high school transcript, the course in Health Principles (Health and Physical Education 59) will not be required.

*History:* 9-12 hours. Three hours of History 51, 52, History of Western Civilization (6 hours), and History 91, 92, American History and Institutions (6 hours), or their equivalents are required of all candidates for the bachelor's degree. Students failing to present a complete unit of World History from high school must take 6 hours of History of Western Civilization. Variations from American History and Institutions may be made by any of the following patterns:

- I. History 91, 56 and 112 (or Political Science 58).
- II. History 92, 55, and any other two hours of United States history.
- III. History 55, 56, and Political Science 57, 58.

*Modern Language:* 6-14 hours. Required of all candidates for the B.A. degree and, in some instances, for the B.S. degree. Upon the completion of the intermediate course (6 hours) the student must elect to take either a qualifying examination or complete an additional 2 hours of course work. Beginning language (6 hours) is required only when the student does not present two secondary units of credit in the same language as that selected at the college level.

## Undergraduate Study

*Religion:* 12-14 hours. Students presenting less than two units of Secondary religion credit are required to take 14 hours. Course 3,4 (Foundations of Christianity) is required of Freshmen with less than two units of secondary credit. In planning their programs students are advised to include four hours Prophetic Interpretation (71,72), Daniel (105) and Revelation (106), or Biblical Theology (151,152). At least four hours must be in the upper division and may include one of the following courses in religious history: 101, 118, 134, or 141. Transfer students ordinarily take a minimum of four hours of religion for each year of attendance at La Sierra College (up to a total of 12). All freshmen enrolling for 10 or more hours of course work in a given semester are required to register for a course in religion.

*Science:* 8 hours. The following courses fulfill this requirement:

General Education 63. Physical Science: (4 hours)

General Education 64. Biological Science: (4 hours)

Substitutions are allowed for those who need an equivalent number of hours in lower division chemistry, physics, biology as prerequisite to their major concentration.

*Social Science:* 3 hours. This requirement may be met by a basic course in either psychology or sociology. Those with credit in economics or geography may waive this requirement unless specific course prerequisites require it.

## OVER-ALL REQUIREMENTS

1. The completion of the entrance requirements.
2. The completion of a total of 128 semester credit hours, of which at least 40 must be in the upper division.
3. Grade points equal to double the total number of credit hours, that is, a minimum over-all average of C, and with a minimum C-average computed separately for the credits earned at La Sierra College.
4. Satisfaction of the minimum residence requirements:
  - a. The candidate for a degree must attend La Sierra College for two semesters or for 36 weeks in summer sessions or in combination with one semester and summer sessions, and must earn a minimum total credit of 24 hours.
  - b. At least 24 of the last 30 hours must be earned at La Sierra College.
  - c. At least 8 hours in the major field and 4 hours in the minor field (if a minor is to be designated) must be earned at La Sierra College.
5. A major concentration with prescribed cognates as indicated for the particular major elected by the student. This major represents a field of emphasis for the upper division and should be selected not later than the end of the sophomore year. The department representing the student's interest should be consulted for the program of studies designed for the major.

## Graduate Study

Minors are outlined for those who need them for teaching credentials or for other reasons. *No grade below C may be counted on a major or a minor.*

6. Satisfactory performance on the Graduate Record Examinations. Information regarding these may be obtained at the Dean's Office.
7. Approval of the candidate for a degree by the faculty as to character and citizenship, in addition to scholarship.
8. Completion of the General Education and other basic requirements of the Bachelor's degree. (See above.)

### BACHELOR OF SCIENCE DEGREE

Requirements for the Bachelor of Science degree are the same as those for the Bachelor of Arts degree except that fine arts and (in other than science curriculums) foreign language are not required.

### BACHELOR OF MUSIC EDUCATION DEGREE

See Music for requirements of this degree.

### BULLETIN OF GRADUATION

A student may be graduated, provided he does not break residence by as much as a continuous calendar year, under one of these bulletins:

- a. The bulletin he enters under
- b. The bulletin of his junior year
- c. The bulletin of his senior year

If a student breaks residence by as much as a continuous 12-months year, he then may not be graduated under the bulletin of any year previous to his re-entry.

*The responsibility for fulfilling the graduation requirements rests primarily with the candidate for a degree.*

## GRADUATE STUDY

La Sierra College is affiliated with the Loma Linda University in the operation of the Graduate School of the University. The College furnishes its campus and facilities with certain of its faculty to offer graduate courses and to prepare candidates for graduate degrees. The graduate committee is the governing body for the graduate programs. The degrees are issued by the University.



## Graduate Study

The Master of Arts degree is conferred upon the completion of either of two programs. One consists of a concentrated major sequence with related courses as determined by the student's committee on studies; the other involves two teaching sequences and a requirement in professional education courses. While fulfilling the requirements for the latter, the student can often qualify for the secondary credential issued by the State Department of Education.

In addition, a program leading to the degree of Master of Arts in Education is offered for those interested in administration, supervision, or guidance.

### ADMISSION:

Admission to the Graduate School is based on

1. A satisfactory citizenship record.
2. A baccalaureate or higher degree suitable to the contemplated graduate program.
3. Acceptance by the major department on the campus where residence is to be established.
4. Test results from the G.R.E. aptitude examination or comparable test and the G.R.E. advanced test in the field of the proposed graduate major. Students who have not taken tests must arrange to do so at the earliest possible date.

### CLASSIFICATION OF STUDENT STANDINGS

1. Students who have earned a G.P.A. of 3.0 in the undergraduate major sequence and an overall G.P.A. of 2.5 will be admitted to regular graduate standing.
2. Students whose undergraduate scholarship does not meet the requirements for regular graduate standing, but who show promise of success in graduate studies, will be admitted to provisional standing. In order to continue in the program, these students must carry a load of at least 12 hours for the first semester with a G.P.A. of 3.0. They will then be classified in graduate standing and the credits earned will be applied toward the degree.
3. Students who do not wish to complete a pattern of graduate studies but who need certain graduate credits for personal or professional purposes will be admitted to special standing. Credits earned under this classification are not necessarily applicable to any graduate program leading to a degree.

## Graduate Study

A graduate student will ordinarily maintain his enrollment on the campus where he first establishes residence and will complete his work under the graduate committee on that campus, although he may be advised to take certain courses on one of the other campuses. If transfer of residence to another campus is in order, the receiving graduate committee will validate the transfer. Conferring of the degree will normally occur on the campuses of residence, but permission may be obtained from the dean of the Graduate School to receive the degree at an appropriate time on another campus of Loma Linda University.

Applications for admission to the Graduate School of Loma Linda University are made by use of an application form obtainable from the registrar's office on any campus of the University.

Applications should be submitted in duplicate to the Registrar at La Sierra College two months before the intended enrollment and, for students applying for the first time, accompanied by a fee of \$5.00. At the same time transcripts in duplicate from colleges and universities previously attended should be ordered by the applicant to be forwarded to the Registrar at La Sierra College.

Admission to graduate standing does not guarantee advancement to candidacy for a degree or the ability of the student to complete the requirements for a degree.

Graduate courses are listed in the departmental section of this bulletin, but for complete information on graduate studies, the student is referred to the Graduate School bulletin for Loma Linda University.

### ADVANCEMENT TO CANDIDACY

The student is responsible for initiating the application for candidacy after the completion of about half of his graduate program, including at least 4 hours of courses numbered above 199. He is continued in candidacy until all requirements for the degree are complete and the degree conferred. A grade point average of 3.0 is required in all courses which are to be a part of the graduate program.

## Professional Programs

### CREDENTIALS AND CERTIFICATION

Information regarding California State Teachers Credentials or certification with the General Conference Department of Education may be obtained from the La Sierra College Education Department.

### PROFESSIONAL PROGRAMS

#### DIETETICS

A four-year program leading to a baccalaureate degree, followed by a year of internship.

For membership in the American Dietetics Association the applicant must hold a bachelor's degree from an accredited institution, must meet specific course requirements, and complete a one-year approved dietetic internship.

A Bachelor of Science degree in Home Economics at La Sierra College with a field of concentration in Foods and Nutrition will satisfy the first two requirements. This year of internship is available at Loma Linda,

#### REQUIRED CORE SUBJECTS

	Semester	Hours
NATURAL SCIENCES		
Human physiology and bacteriology . . . . .		6
Chemistry . . . . .		8
FOOD		
Selection, preparation, meal planning and service . . . . .		6
NUTRITION . . . . .		2

#### FOOD SERVICE MANAGEMENT

##### REQUIRED COURSES

Organization and Management  
Quantitative cookery

##### ELECTIVE COURSES

Institutional layout and equipment  
Principles of accounting  
Institutional purchasing

MINIMUM OF THE ABOVE . . . . . 9

#### THERAPEUTIC AND ADMINISTRATIVE DIETETICS

##### REQUIRED COURSES

Nutrition  
Personnel management  
Educational psychology  
Nutrition in Disease

##### ELECTIVE COURSES

Experimental foods  
Institutional layout and equipment  
Principles of accounting  
Institutional purchasing

MINIMUM OF THE ABOVE . . . . . 15

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Total 46



## Professional Programs

### PUBLIC RELATIONS

A four-year program leading to a baccalaureate degree.

Students interested in pursuing a career in public relations are advised to counsel with the Social Science Department chairman in regard to their curriculum. La Sierra College, as do the majority of colleges and universities, believes that a strong liberal arts background is basic to a successful career in public relations. With this in mind, the student will find himself taking courses in English, speech, journalism, news writing, psychology, sociology, and other disciplines in the social science area.

### SECONDARY TEACHING IN SCIENCE AND MATHEMATICS

A four-year program leading to a baccalaureate degree.

Recent years have witnessed an increased emphasis on science teaching, and at the same time the lines of demarcation between the traditional disciplines of biology, chemistry, mathematics, and physics are becoming less distinct. This, coupled with the fact that even in many of the larger high schools the science teachers must teach in more than one area, has meant that the secondary teacher of science must have breadth of training; yet at the same time he must have sufficient depth so that he may have a feeling of confidence. The Science and Mathematics Secondary Teaching Major has been introduced to serve this need.

The major consists of 64 semester hours of work spread over the four areas of biology, chemistry, mathematics, and physics so that there is a concentration of 22 hours in one area and 14 hours in each of the three other areas (at least 3 hours in each of the four areas must be taken at La Sierra College). The following courses, or their equivalents are required:

Biology 11 (General Botany) .....	4 hours
Biology 15 (General Zoology) .....	4 hours
Chemistry 5-6 (General Chemistry) .....	10 hours
Mathematics 51, 52 (College Mathematics) .....	6 hours
Physics 51, 52 (College Physics) .....	8 hours
or Physics 62, 62, 63, 64 .....	10 hours

The remaining science courses — of which 20 hours must be upper division and which must include Physics 151, 177-AN and Mathematics 71 and 72 or 161 — are selected, in consultation with the adviser, so that the above distribution is met and so that the particular choice will be of maximum usefulness to the secondary teacher.

Because this major is designed for the training of secondary science and mathematics teachers, 12 hours of cognates must be chosen from the offerings of the secondary education department.

## Professional Programs

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### CURRICULUM FOR SCIENCE AND MATHEMATICS SECONDARY TEACHING MAJOR

(Suggestive only)

#### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings (Religion 1,2) . . . . .	2	2
Freshman English (English 1-2) . . . . .	3	3
Mathematics (51, 52) . . . . .	3	3
General Botany (Biol. 11) . . . . .	4	
General Zoology (Biol. 15) . . . . .		4
American History and Institutions . . . . .	3	3
(History 91, 92)		
Physical Education (7,8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

If the student does not have two secondary units of college entrance credits in language, he will need to take, in the summer between the freshmen and sophomore years, six required hours to make room for beginning language during the regular year.

#### SOPHOMORE YEAR

Religion . . . . .	2	2
Intermediate Language (53-54) . . . . .	3	3
General Psychology (Psych. 5) . . . . .	3	
History of Western Civilization (History 52) . . . . .		3
Physics (51, 52 or 61, 62, 63, 64) . . . . .	4 or 5	4 or 5
Mathematics (71; 72 or 171) . . . . .	3	3
Physical Education (55,56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$	15 $\frac{1}{2}$ or 16 $\frac{1}{2}$

#### JUNIOR YEAR

Applied Arts . . . . .	3	
Fine Arts . . . . .		3
General Chemistry (5-6 or 7-8) . . . . .	5	5
Literature and Speech . . . . .	3	3
Audio Visual Methods and Materials (Ed. 103) . . . . .	2	
Philosophy and History of Education (Ed. 162) . . . . .		3
Science Electives . . . . .	3	2
	16	16

#### SENIOR YEAR

Religion . . . . .	2	2
Educational Measurements (Ed. 155) . . . . .		3
Principles of Guidance (Ed. 153) . . . . .	2	
The American Secondary School . . . . .	2	
Methods of Teaching Science and Mathematics . . . . .		2
Science Electives . . . . .	10	9
	16	16

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## Professional Programs

### STENOGRAPHY

A two-year program leading to a certificate.

The certificate program includes training in basic skills and prepares for clerical and stenographic positions. A comparison of the requirements with those for the first two years of the degree program will show that it is possible to complete the requirements for a B.S. in two years after receiving the certificate.

FIRST YEAR			
*Beginning Shorthand (Secretarial Science 7)		4	
*Shorthand Dictation (Secretarial Science 8)			4
Secretarial Accounting (Secretarial Science 14)		3	or 3
Religion (1, 2)		2	2
Freshman English (1-2)		3	3
*Beginning Typewriting (Secretarial Science 3)		2	
Physical Education (7,8)		$\frac{1}{2}$	$\frac{1}{2}$
Speech (any course)		2	or 2
General Psychology (5)		3	or 3
Electives		3	or 3
		<hr/>	
		32	
SECOND YEAR			
Religion (any course)		2	or 2
*Dictation and Transcription (Secretarial Science 63, 64)		4	4
Advanced Typewriting (Secretarial Science 57)		2	or 2
Office Procedures (Secretarial Science 70)			3
Business Machines (Secretarial Science 53)		2	or 2
American History and Institutions (History 91, 92)		3	3
Physical Education (55, 56)		$\frac{1}{2}$	$\frac{1}{2}$
Indexing and Filing (Secretarial Science 54)		1	or 1
Home Economics (any course)		3	or 3
Electives		2	2
		<hr/>	
		32	

\*Shorthand is not required for the certificate; however, students are encouraged to include at least 2 semesters of shorthand in their programs.

\*\*Students entering with high school credit in shorthand and/or typewriting may substitute electives for shorthand and Beginning Typewriting.

### THEOLOGY

A four-year program leading to a baccalaureate degree.

La Sierra College Theology training program is designed to prepare preachers and teachers for a professional career in the highest sphere of human experience and thought in the realm of religion. The purpose of this training requires that a careful selection of candidates for admittance be made not only on the basis of preparatory scholastic accomplishments, but also on the basis of spiritual qualities, social sympathies, cultural refinement, and aptitude for the ministry.

Candidates for the ministry are eligible for ministerial internship after the completion of 128 college hours leading to a Bachelor of Arts degree with a major in Theology and a fifth year of a minimum of 38 hours of professional training at the Theological Seminary.



## Pre-Professional Programs

No student will be graduated with a recommendation to the ministry or to the Seminary merely on the basis of the accumulation of the required number of credit hours.

Requirements and recommended electives for a major in Theology are outlined as follows:

<i>Major Requirements</i>		Semester Hours		Semester Hours
Life and Teachings of Jesus or Foundations of Christianity.....	4		Homiletics .....	6
Introduction to Theology.....	4		Old Testament Prophets .....	6
Daniel and Revelation.....	5		Philosophy of Religion .....	4
New Testament Epistles.....	6		Evangelism .....	2
Gift of Prophecy.....	3		Pastoral Administration .....	2
<i>Cognate Requirements</i>		Semester Hours		Semester Hours
History of Western Civilization	3-6		Hymnology 114 .....	3-6
History of Christian Church.....	6		(Substitutes for General Education 58)	
Speech (must include Speech 5)	6		Social Sciences (should include Psychology and Principles of Education) .....	6
Greek 7-8, 65-66, 2 hrs. elective	14			
Church Music 113, and/or				
<i>Recommended Electives</i>				
Religion 101, 118, 134			Music 60	
Biblical Languages 145, 146, 149, 155-156, 158			Biology 181	
History 103, 104, 106, 152, 155			Accounting	
Education 61, 162			Journalism	
English 113, 114, 160, 170			Typing (2 hours may apply on applied arts requirement)	
Sociology 47, 62, 74, 75, 85, 132, 137, 169, 184			Psychology 54, 101, 107	

The fifth year at the Seminary, as outlined by the committee on Ministerial Training of the General Conference, shall consist of a full twelve months of study during which the student shall complete 38 hours of the core curriculum leading to the Bachelor of Divinity degree. Courses shall be taken from the five main areas of Seminary study: Old Testament, New Testament, Systematic Theology and Christian Philosophy, Church History, and Applied Theology. Students are strongly advised to plan to continue their studies toward the Bachelor of Divinity degree.

## PRE-PROFESSIONAL PROGRAMS

Since La Sierra College is affiliated with Loma Linda University the pre-professional curricula are articulated with those completion curricula which are offered at the University. Students planning transfer to other professional schools should correspond with the appropriate officers at those schools so as to be sure of fulfilling their requirements.

Following are the pre-professional curricula which lead to the indicated completion curricula at the Loma Linda University (designated by the initials LLU) and to other professional schools.

## Pre-Professional Programs

### DENTISTRY (LLU)

Requirements for admission to the School of Dentistry at Loma Linda University include the specific courses listed below plus enough elective courses to make a total of 64 semester hours or two academic years. Students who present three years of college study or a baccalaureate degree, including these required courses, would be given preference in selecting applicants.

	Sem. Hours
Biology	10
(Must include Zoology, 8 hours; or Zoology, 4 hours and Comparative Anatomy and/or Genetics, 4 hours. Comparative Embryology is also required.)	
Chemistry	14
(Must include General Chemistry, 8 hours and Organic Chemistry, 6 hours.)	
Freshman English	6
Physics	8

In applying for admission the student must also present

- A record of satisfactory citizenship
- A grade-point average of at least 2.5 in science and non-science courses.
- A satisfactory standing on the Dental Aptitude Test

### DENTAL HYGIENE (LLU)

The following outline meets the requirements for entrance to the Dental Hygiene degree course as offered by Loma Linda University.

Religion	8
Freshman English	6
Biology	10
(Must include Human Anatomy and Physiology)	
Chemistry	4
(This must be a complete course)	
Physical Education	2
Psychology	6
(Must include General Psychology)	
Social Sciences	9
(American History and Institutions, 6 hours)	
Speech	2

A minimum of 60 hours is required with a GPA of at least 2.0.

### ENGINEERING

People trained in the various specializations into which engineering science is divided are currently in great demand and the demand is likely to continue. La Sierra has arranged a cooperative plan whereby the first three years of the chosen curriculum will be on the La Sierra campus; the final two years will be on the campus of a co-operating university in the area. On successful completion of the three-and-two pattern, the student will receive two degrees — a liberal arts degree from La Sierra College and an engineering degree from the co-operating university.

## Pre-Professional Programs

The pattern of courses at La Sierra will be outlined when the student enrolls, adjusted to the requirements of the cooperating university which the student chooses.

### LAW

The legal profession is one of the most important and rewarding callings of modern life. Law schools are almost unanimous in requiring as entrance credits thorough liberal arts education (three years or a degree), with adequate courses in history, economics, sociology, political science, English, speech. Some require accounting. The Bachelor of Arts curriculum at La Sierra College meets the requirements. Specific advice will be given to any student as soon as he has selected the law school where he expects to enroll.

### MEDICINE

Requirements for admission to the School of Medicine of Loma Linda University include three years of academic study in a liberal arts college. Actually, few students are admitted without a baccalaureate degree.

For those who complete study for this degree, the major sequence may be chosen by the student. In any case he must include within his preparatory study the following subject specifications:

Religion (The La Sierra College requirement of 4 hours per year of attendance up to 12 hours is satisfactory.)	
Freshman English . . . . .	6
Biology . . . . .	10
(General Biology, 8 hours, Zoology 8 hours, or 4 hours plus 4 hours of comparative anatomy and/or genetics.)	
Chemistry . . . . .	16
(General Chemistry, 8 hours, which may include qualitative analysis, a requirement; organic chemistry, 6 hours, Quantitative Analysis, 2 hours.)	
Foreign Language . . . . .	6
(If the student has no high school foreign language or if he selects a second language in fulfilling this requirement, the total credit must be 12 hours.)	
Physics . . . . .	8

In addition to the credit requirements, the following specifications must be met:

1. The results of the admission test recommended by the Association of American Medical Colleges must be available at the time of application.
2. After acceptance the student must undergo a medical examination by a qualified physician, must certify immunization for smallpox, diphtheria, tetanus, typhoid fever, paratyphoid fever, and poliomyelitis, and must have remediable physical defects cared for before beginning the study of medicine.
3. The grade point average must be at least 2.5 in science and non-science subjects computed separately.



## Pre-Professional Programs

### MEDICAL RECORDS ADMINISTRATION (LLU)

The Loma Linda University offers a four-year program leading to a baccalaureate degree. The first three years, offered on the La Sierra College campus, conform to the following pattern of courses:

FIRST YEAR	
Religion 1, 2 . . . . .	4
English 1-2 . . . . .	6
History 51, 52 . . . . .	6
General Zoology 15 . . . . .	4
Psychology 5 . . . . .	3
Sociology 47 . . . . .	3
Physical Education . . . . .	1
Typewriting . . . . .	1
(Waived for students demonstrating proficiency)	
Electives . . . . .	4
	<hr/> 32
SECOND YEAR	
Religion . . . . .	4
Literature . . . . .	4
American History and Institutions 91, 92 . . . . .	6
Anatomy & Physiology 5, 6 . . . . .	6
Speech 5 . . . . .	3
Physical Education . . . . .	1
Electives . . . . .	9
	<hr/> 32
THIRD YEAR	
Religion . . . . .	4
Chemistry 1, 2 or 5, 6 . . . . .	6
Office Management or Personnel Management . . . . .	3
Business Communications . . . . .	3
Introduction to Medical Science & Terminology . . . . .	6
Mathematics 5 . . . . .	3
Electives . . . . .	7
	<hr/> 32

Electives may be chosen from the following subjects: Bacteriology, Biology, Fine Arts, Language, Literature, Mathematics, Speech, Social Studies.

Inquiries should be sent to the Director of the Medical Records Program at Loma Linda University.

### MEDICAL TECHNOLOGY (LLU)

The Loma Linda University School of Medical Technology offers a four-year program leading to a baccalaureate degree which is conferred on the Loma Linda campus. The first three years, offered on the La Sierra campus, include the following courses, plus electives to make a total of 96 semester hours.

## Pre-Professional Programs

	Sem. Hours
Religion . . . . .	12
Freshman English . . . . .	6
American History and Institutions . . . . .	6
Beginning Language (or two units high school) . . . . .	8
Biology:	
General Zoology . . . . .	6
Human Physiology . . . . .	4
Mammalian Anatomy . . . . .	2
Microbiology or Bacteriology . . . . .	4
Chemistry:	
Biochemistry . . . . .	4
General Chemistry . . . . .	8
Organic Chemistry . . . . .	6
Quantitative Analysis . . . . .	4
Physics . . . . .	8

## NURSING (LLU)

The Loma Linda University School of Nursing offers a four-year program leading to registration and the Bachelor of Science degree, which is conferred on the Loma Linda campus. The first year, offered on the La Sierra campus, includes the following courses:

Religion . . . . .	4
Freshman English . . . . .	6
Anatomy and Physiology . . . . .	6
Chemistry 1-2 . . . . .	6
Fundamentals of Sociology . . . . .	3
General Psychology . . . . .	3
Human Nutrition . . . . .	2
Introduction to Nursing and Community Health . . . . .	2
Physical Education . . . . .	1

## OCCUPATIONAL THERAPY (LLU)

The School of Occupational Therapy of Loma Linda University offers a four-year program (plus 9 months of internship) leading to registry and a baccalaureate degree. The first two years, offered on the La Sierra College campus includes the courses required for admission to the School of Physical Therapy, plus Sociology, 3 hours.

The following electives are recommended:

Sociology Problems (Sociology 62)  
 Vegetable Gardening 7, 8  
 Psychology 101, 121, 170, 173, 178  
 Typewriting  
 Woodworking 35  
 Art 103, 65, 107, 61, 51, 53, 56

## Pre-Professional Programs

### PHARMACY

The college work specified as entrance requirements to schools of pharmacy varies a great deal from university to university; some two years, and others one year. The prospective pharmacy student can get all of the prepharmacy requirements at La Sierra College, where he will be specifically advised as to a study list as soon as he has decided on the particular school of pharmacy for which he would like to prepare.

### PHYSICAL THERAPY (LLU)

The School of Physical Therapy of Loma Linda University offers a four-year program leading to registry and a baccalaureate degree. The first two years, offered on the La Sierra campus include the following courses plus electives to make a total of 62 semester hours.

Religion . . . . .	8
Freshman English . . . . .	6
American History and Institutions . . . . .	6
Biology . . . . .	10
(This should include subjects other than Human Anatomy and/or Physiology. General Zoology is recommended.)	
Chemistry . . . . .	6
(This must be a complete course.)	
Physical Education . . . . .	2
Psychology . . . . .	6
(General Psychology is required.)	
Speech . . . . .	2

### SOCIAL WORK

The profession of social work requires graduate training which includes both classroom courses and field work in a social agency. In preparation for this a broad foundation in the social sciences with an undergraduate orientation in social work will not only prepare the student for graduate school, but will also make him eligible for some positions in social work agencies, particularly in the field of public welfare, which do not require advanced training. The various careers which are open in social work include child welfare agencies, public institutions for the defective and delinquent, medical and psychiatric social work in hospitals and clinics, parole, probation, and numerous other fields private as well as public.

A major in Social Science to include the following courses is recommended for those planning to enter the field of social work.

Economics 51-52 . . . . .	6 hours
Health 59 . . . . .	2 hours
Sociology 123, 124, Principles of Social Welfare . . . . .	4 hours
Courses in biology, physiology, or zoology.	

Students should consult with the adviser in the Social Science department for selection and arrangement of cognate courses.



## Pre-Professional Programs

### X-RAY TECHNOLOGY (LLU)

A two-year curriculum in X-ray Technology leading to a certificate, is offered by Loma Linda University under the direction of the Department of Radiology of the School of Medicine on the Los Angeles campus.

For the first year, offered on the La Sierra College campus, there are no specific course requirements. Preference is given, however, to the applicant who takes college courses in anatomy, physiology, chemistry, physics, or other sciences. Preference is also given to the applicant who completes a curriculum in nursing, medical technology, physical therapy, or another para-medical profession at a recognized school.

### SUMMER SESSIONS

Sessions of ten and eight weeks are organized each summer, giving special emphasis to course work leading to teacher certification, California State credentials, and Masters degrees in Education. Offerings in general education and a number of content fields, in addition to the professional courses, make the summer sessions profitable to many students pursuing educational objectives other than professional education.

The summer session BULLETIN and further information may be obtained by writing the Secretary of Admissions or the Dean of the College.

## Divisions of Instruction

### DIVISIONS OF INSTRUCTION

- I. RELIGION, THEOLOGY, AND COGNATE STUDIES  
Walter F. Specht, *Chairman*  
Department of Religion, Applied Theology, Religious History,  
Philosophy, Walter F. Specht  
Department of Biblical Languages, Walter F. Specht
- II. SCIENCE AND MATHEMATICS  
Lloyd E. Downs, *Chairman*  
Department of Biology, L. E. Downs  
Department of Chemistry, L. W. Botimer  
Department of Physics, J. W. Riggs, Jr.  
Department of Mathematics, H. W. Besel
- III. SOCIAL STUDIES  
Wilfred J. Airey, *Chairman*  
Department of History, W. J. Airey  
Department of Social Sciences, F. G. Hoyt
- IV. EDUCATION  
R. S. Lowry, *Chairman*  
Department of Education, R. S. Lowry  
Department of Psychology, Stanley Bull  
Department of Health and Physical Education, W. J. Napier
- V. LANGUAGE AND LITERATURE  
Merlin L. Neff, *Chairman*  
Department of English, Merlin L. Neff  
Department of Speech, W. F. Tarr  
Department of Romance Languages, Margarete Hilts  
Department of German, Kaljo Magi  
Department of Journalism, C. A. Oliphant
- VI. MUSIC AND ART  
Harold B. Hannum, *Chairman*  
Department of Music, H. B. Hannum  
Department of Art, Chloe Sofsky
- VII. APPLIED ARTS  
J. J. Walcker, *Chairman*  
Department of Home Economics, Mary Byers  
Department of Building Construction, J. J. Walcker  
Department of Agriculture, Frank Judson
- VIII. BUSINESS AND SECRETARIAL SCIENCE  
Ralph L. Koorennny, *Chairman*  
Department of Business Administration, R. L. Koorennny  
Department of Secretarial Science, Irene Ortner

## Courses of Instruction

### COURSES OF INSTRUCTION

LOWER DIVISION COURSES are numbered 1 to 99, those numbered 1 to 49 being freshman offerings. Sophomores may take courses numbered 1 to 99 but normally in the 50 to 99 group. Juniors usually and seniors, as may be necessary, register for some lower division courses, although seniors may not take freshman offerings (1 to 49) for hour credit. UPPER DIVISION COURSES are numbered from 100 to 199. Such courses are open only to juniors and seniors or others qualified for upper biennium work. Graduate courses are numbered from 200 to 299 and are open only to graduate students.

The numbers in parenthesis following the course titles indicate the hour credit to be earned. Hyphens in the course numbers and the hour-credit numbers mark course combinations which must be taken entire in order to yield credit. Ordinarily such combinations must be taken in numbered sequence. When a certain course depends upon a course or courses taken previously, the course description lists the prerequisites.

Available majors and minors are listed in their respective sections. Of the courses listed, those marked with an asterisk (\*) will be offered in 1963-1964, those without this mark will be offered in 1962-1963 if in sufficient demand. Courses marked with the double asterisk (\*\*) are offered as needed by majors or minors and then only by special arrangement.

The college reserves the right to withdraw a lower division class offering for which fewer than ten students have registered.

### AGRICULTURE

FRANK JUDSON (head), L. A. DAVIS, H. A. HABENICHT,  
G. A. HOUCK

The Agriculture Department at La Sierra College is organized to develop vocational proficiency in those students who emphasize some aspect of American farm life in their education. Majors will also normally be prepared to go into more advanced curriculums as preparation for teaching positions or research in the field. The non-majors who take an occasional course in the department learn something of the social implications of agricultural pursuits and develop a limited acquaintance with the soil. The dignity of labor and the response of Nature to man's efforts as he helps himself are significant lessons for every student in the department.

The 498-acre farm on which the college is located is an ideal



## Agriculture

situation for the student who would achieve such aims. Crops are being planted every month of the year. Poultry, sheep, horses, and dairy and beef cattle offer splendid opportunity for firsthand experience with livestock. The management of the entire farming program is done by the teaching faculty and aims to provide skill and management experience to students interested in agriculture.

*Major Requirements* for the Bachelor of Science degree: 38 hours, of which a minimum of 18 must be in the upper biennium.

Required courses: Agriculture 7, 11, 55, 93, and 187. Course 188 will be required of all students who have not had at least two years of work experience on a farm as a full-time worker or one year as a worker while a student of agriculture at La Sierra College.

Required cognate courses: Biology 11, 15, 16; Chemistry 1-2 or 5-6; Mathematics 5, 6; Business Administration 55, 56.

Recommended electives: Biology 58, 122, 135, and 145.

*Minor Requirements:* 20 hours, of which a minimum of 5 must be in the upper division.

### PLANT PRODUCTION AND SOILS

#### 7. VEGETABLE GARDENING (2)

Emphasis is placed on present varieties and cultural methods.

#### 8. VEGETABLE GARDENING EXPERIENCE (2)

A practical continuation of the material studied in 7. Two laboratory periods each week. Prerequisite: Agriculture 7.

#### 11, 12. FIELD AND FORAGE CROPS (2, 2)

A study of the distribution, cultural methods, and economic importance of the main farm crops.

#### 55. SOILS (3)

A course dealing with the genesis, physical and chemical properties, and classification of the soil. Prerequisites: Chemistry 1-2 or concurrently with Chemistry 1-2 if secondary credit in chemistry is recorded.

#### 68. HOME FRUIT PRODUCTION (2)

Survey of recommended practices in the growing of grapes, strawberries, and bush and tree fruits for the home.

#### 122. PLANT PHYSIOLOGY\* (3)

(See Biology 122.)

## Agriculture

### 132. SOIL FERTILITY (2)

The influence of crop rotation, green manure practices, drainage, and commercial fertilization is studied. Emphasis is placed on soil conservation. Prerequisite: Agriculture 55.

### 135. ENTOMOLOGY\* (3)

(See Biology 135.)

### 138. IRRIGATION\* (2)

A specialized course for those planning to locate in the Southwest or other arid regions. Water supply, crop requirements, efficient application are emphasized. Two lectures each week with appropriate laboratory experience arranged. Prerequisite: Agriculture 55 and Mathematics 5, 6.

### 145. PLANT PATHOLOGY (3)

(See Biology 145.)

### 160. COMMERCIAL FRUIT PRODUCTION (3)

A thorough study of modern practices of pruning, pest control, soil management, and marketing from the point of view of one producing fruit as a business. Appropriate laboratory work arranged.

### 168-169. COMMERCIAL VEGETABLE PRODUCTION\*\* (2-2)

A laboratory course giving the student opportunity to participate in the producing and packing of various vegetables for market. Records and cost accounts will be kept on the crops. Spring and summer only. Prerequisites: Agriculture 7 and 8.

## LIVESTOCK AND COGNATE

### 28. POULTRY HUSBANDRY (2)

A general course dealing with the practical phases of the poultry industry.

### 52. DAIRY HUSBANDRY\* (3)

A general study of the economic aspects, selection, breeding, feeding, and management of dairy cattle. A brief presentation of dairy sanitation is included.

### 62. POULTRY BROODING (2)

A laboratory course in which the student has full responsibility for the care of a brood of chicks during the first six weeks of life. Prerequisite: Agriculture 28.

### 82. ANIMAL HUSBANDRY (3)

Modern practices in care, use, and marketing of cattle, sheep, horses, mules, etc., are evaluated.

### 106. POULTRY MANAGEMENT\*\* (2)

Conferences dealing with the problems of poultry management. Required laboratory work includes feeding, culling, and processing of eggs. Costs of production are studied on assigned flocks. Prerequisite: Agriculture 28.

## Agriculture

### 112. ANIMAL NUTRITION (2)

A study of the fundamental needs and practices of animal nutrition.  
Prerequisite: Chemistry 71.

### 115. LIVESTOCK SANITATION AND DISEASE CONTROL (2)

A brief study of the anatomy of the common farm animals, and the symptoms, diagnosis, and prevention of their disorders and diseases.  
Prerequisites: Agriculture 82 and Zoology 15, 16.

### 178. DAIRY PLANT OPERATION\*\* (3)

A course of study planned to train the student in the processing of fluid milk, manufacture of butter, ice cream, and other dairy products. Satisfactory completion of the course includes the passing of the State Pasteurizer's Examination. Two lectures and one laboratory each week. Prerequisite: Biology 8 or 58.

## GENERAL COURSES

### 74. FARM MACHINERY\* (3)

Selection, operation, and use of common farm implements. Two lectures and one laboratory each week.

### 93. TRUCK AND TRACTOR MECHANICS (3)

The theory and actual experience of maintaining and repairing truck and tractor engines are fully gained by those meeting the requirements of this course. Two lectures and one laboratory each week.

### 171. AGRICULTURE ECONOMICS\* (2)

A course to train the student in evaluating data, coordinating farm activities with the business world, and applying economic principles to farm operation. (Does not fulfill basic applied arts requirements.)

### 187, 188. FARM MANAGEMENT\* (3, 3)

A lecture, problem, and directed experience course stressing effective farm planning and logical procedures for solving problems in operating a farm. Directed experience in labor relations and distribution, planting, harvesting, marketing, and livestock care is included in the laboratory work. 187 is prerequisite to 188. 18 hours of agriculture is prerequisite to 187.

### 190. CONCEPTS IN AGRICULTURE (3)

The purpose of this course is to familiarize elementary teachers, ministers, and others who do survey teaching of agriculture or frequently contact those employed in agriculture, with its present day methods, its importance in the community and the nation, and its inter-relationship with other disciplines. Summers only.



# Agriculture

## CURRICULUM FOR MAJOR IN AGRICULTURE (B.S.)

(Suggestive only)

	First Semester	Second Semester
FRESHMAN YEAR		
Life and Teachings of Jesus (Religion 1,2)	2	2
Freshman English (English 1-2)	3	3
Vegetable Gardening (Agriculture 7,8)	2	2
Fields and Forage Crops (Agriculture 11, 12)	2	2
Poultry Husbandry (Agriculture 28)	2	
Home Fruit Production (Agriculture 68)		2
General Botany (Biology 11)	4	
General Psychology (5)		3
Physical Education (7,8)	$\frac{1}{2}$	$\frac{1}{2}$
	15½	14½

SOPHOMORE YEAR		
Religion	2	2
Chemistry (Chemistry 1-2)	3	3
General Zoology (Biology 15, 16)	4	4
Introductory Mathematics (Mathematics 5, 6)	3	3
Soils (Agriculture 55)	3	
Animal Husbandry (Agriculture 82)		3
Physical Education (55, 56)	$\frac{1}{2}$	$\frac{1}{2}$
	15½	15½

JUNIOR YEAR		
History		3
American History and Institutions (History 91, 92)	3	3
Speech	3	
Literature		3
Principles of Accounting (Business Administration 55, 56)	3	3
*Agriculture (Elective)	8	5
	17	17

SENIOR YEAR		
Religion	3	3
Truck and Tractor Mechanics (Agriculture 93)	3	
Farm Management (Agriculture 187)		3
*Agriculture (Electives)	2	
Electives	8	11
	16	17

\*In consultation with the head of the department, the student will choose agriculture electives to meet the specific requirements of whichever field he has chosen for major emphasis: agronomy, animal husbandry, general agriculture.

ART

CHLOE SOFSKY (head), BENNY A. BARNES, HERSCHEL HUGHES

The department of Art seeks to develop in the students an appreciation of the masterpieces of art; to aid them in understanding the basic principles of true art and their applications to life situations; and to develop as far as possible technical proficiency in artistic performance.

*Major Requirements* leading to the B.A. degree: 36 hours, of which a minimum of 24 must be in the upper division. Required courses 53, 58, 65, 103, 107, 117, 118, 199. In course 199 the senior art major will complete a work, or a series of works, with a particular problem to solve, this problem to be worked out with the teacher. Upon completion of this course, the student will exhibit his work in the course, along with such other of his works as are of sufficient quality. The exhibition will be in the gallery or other appropriate place, and the student will be requested to leave one of his better pieces with the permanent collection of the gallery. (An art major will not be required to take General Education 57.)

*Cognate Requirements:* General Education 58, Building Construction 41.

*Cognate Recommendations:* Fine Arts 56.

*Minor Requirements:* 20 hours, of which a minimum of 9 must be in the upper division. Required courses: 53 and 65. (General Education Fine Arts 57 required for art minor.)

*Major Requirements* leading to the B.S. degree: 44 hours, of which 24 must be in the upper division. Required courses 53, 54, 55, 56, 58, 107, 117, 118, 199. (General Education 57 not required.)

*Cognate Requirements:* General Education 58, Building Construction 41, Business Administration 55, Mathematics 5 or 51.

*Recommended Cognates:* Home Economics 59 or Building Construction 57 or 35, Mathematics 6 or 52.

The B.S. degree in art is not recommended for students intending to teach art or to continue in graduate schools of art terminating with the M.A. or M.F., A. degrees. This program is advisable only for students intending to continue work in professional or commercial art schools.

*Minor Requirements for Commercial Art:* 20 hours, of which 9 must be in the upper division. Required courses 53, 54, 55, 56, 57, 58.

50, 51. BASIC ART (2,1)

A foundation course involving basic concepts of creativity in two-dimensional art, especially related to the program for elementary education majors. (Will not apply on an art major.)

52. BASIC THIRD-DIMENTIONAL ART (1)

Ceramics, modeling, and other related forms of expression, especially related to the program for elementary education majors. (Will not apply on an art major.)

## Art

53. **DESIGN I (1 or 2)**  
A study of the basic art elements and their function in the composition. Laboratory assignments with definite application of the principles studied.
54. **INTRODUCTION TO COMMERCIAL ART (2,2)**  
A course to develop skill in the techniques of lettering, poster layout, and composition fitting. A basic background in the principles of commercial art.
55. **ADVERTISING DESIGN (2,2)**  
A class designed to develop a thorough understanding of the various printing processes and to develop skill in techniques suitable for these processes.
56. **PHOTOGRAPHY (2)**  
Basic composition of pictures, use of camera, and the developing and printing of the photograph. Special emphasis on the use of photography in advertising and commercial art.
58. **DRAWING (1 to 4)**  
Theory and practice of drawing objects of all kinds, including the human figure, in various media of black and white.
59. **CERAMICS I (1 to 6)**  
Modeling and glazing of simple pottery forms.
61. **SCULPTURE (1 to 6)**  
Modeling or carving in various media. The study of suitability of subject to medium. Special project for preidental students.
62. **ART IN THE HOME (2)**  
A study of the art elements as related to design in the home and in clothing. (Will not apply on an art major.)
65. **FUNDAMENTALS OF DRAWING AND PAINTING (1 to 6)**  
A foundation course in the principles and techniques of drawing and painting. Laboratory assignments in various media.
103. **PAINTING (1 to 8)**  
Landscape, still-life, or portrait in oil or water color.  
Prerequisite: Art 65.
107. **DESIGN II (1 to 6)**  
A study of the art elements and their application to abstract design.  
Prerequisite: Art 53.
111. **CERAMICS II (1 to 6)**  
Throwing on the potter's wheel; special experiments in glazes.  
Prerequisite: Art 59.
- 117, 118. **HISTORY OF ART (3, 3)**  
A chronological study of the various periods in the development of architecture, sculpture, and painting from the earliest times to the present. First semester: from ancient art through Gothic; second semester: from Renaissance through modern art.
161. **SCULPTURE (1 to 3)**  
Modeling and carving in various media with special emphasis on the relationship of the material, subject, and processes.
199. **SENIOR PROJECT (2 to 4)**  
A mural or a series of paintings, or a special project in ceramics, planned for the senior student majoring in Art. This project must exhibit an acceptable degree of technical facility and creative power.

### GENERAL EDUCATION

57. **INTRODUCTION TO VISUAL ARTS (3)**  
A basic general education course in understanding painting, sculpture, architecture and other arts. Given each semester.



# CURRICULUM FOR ART MAJOR

## B. A. DEGREE

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Religion 1,2 or 3,4 . . . . .	2	2
History (51, 52, or 91, 92) . . . . .	3	3
Freshman English (English 1-2) . . . . .	3	3
Beginning Language (French recommended) (Not required of those who present two units of college entrance in the chosen language)	3	3
General Psychology (5) . . . . .	3	
Oral Interpretation (Speech 62) . . . . .		2
Electives on Major Concentration (53 or 58) . . . . .	2	3
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

### SOPHOMORE YEAR

Religion . . . . .	2	2
Technical Drawing (41) . . . . .		2
Intermediate Language . . . . .	3	3
Gen. Ed. Basic Science (Science 63, 64) . . . . .	4	4
Beginning Public Address (Speech 71) . . . . .	2	
Electives on major concentration . . . . .		5
Introduction to Music (Gen. Ed. Music 58) . . . . .	3	
Health Principles (Health 59) . . . . .	2	
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

### JUNIOR YEAR

History of Art (Art 117,118) . . . . .	3	3
History (51, 52, or 91, 92) . . . . .	3	3
Applied Art (Home Economics 59, or 190 or Building Construction 57 or 35 recommended) . . . . .	2	2
Electives (Photography recommended) . . . . .	2	2
Electives on major concentration . . . . .	5	5
	15	15

### SENIOR YEAR

Religion (Upper Division) . . . . .	2	2
Renaissance History (History 151 recommended) . . . . .	3	
Literature (Upper Division) . . . . .	2	2
Electives on Major Concentration . . . . .	3	3
Electives . . . . .	6	5
Senior Project . . . . .		4
	16	16

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**CURRICULUM FOR ART MAJOR**
**B. S. DEGREE**

(Suggestive only)

**FRESHMAN YEAR**

	First Semester	Second Semester
Religion 1, 2 or 3, 4 . . . . .	2	2
History (51, 52 or 91, 92) . . . . .	3	3
Freshman English (English 1-2) . . . . .	3	3
General Psychology (5) . . . . .	3	
Oral Interpretation (Speech 62) . . . . .		2
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
Drawing (58) . . . . .		1
Photography . . . . .	2	2
Introduction to Commercial Art (54) . . . . .	3	3
	<b>16½</b>	<b>16½</b>

**SOPHOMORE YEAR**

Introductory Mathematics (5 or 51) . . . . .	3	
Religion . . . . .	2	2
General Education (63, 64) . . . . .	4	4
Beginning Public Address (Speech 71) . . . . .	2	
Health Principles (Health 59) . . . . .		2
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
Elective on major . . . . .		1
Drawing (58) . . . . .	1	1
Advertising Design (55) . . . . .	2	2
Technical Drawing (Building Construc. 41) . . . . .	2	2
Elective . . . . .		2
	<b>16½</b>	<b>16½</b>

**JUNIOR YEAR**

History of Art (Art 117, 118) . . . . .	3	3
History (51, 52 or 91, 92) . . . . .	3	3
Applied Art (Home Ec. 59, 190 or Building Construction 57 or 35 recommended) . . . . .	2	2
Electives on the major (107, 103, 111, or 161) . . . . .	3	6
Introduction to Music (Gen. Ed. Music 58) . . . . .	3	
Religion . . . . .	2	
Electives . . . . .		2
	<b>16</b>	<b>16</b>

**SENIOR YEAR**

Religion . . . . .	2	2
Renaissance History (History 151 recommended) . . . . .	3	
Literature . . . . .	2	2
Senior Project (199) . . . . .		4
Electives on the Major Concentration (107, 111, or 161) . . . . .	6	1
Electives . . . . .		8
Principles of Accounting (Bus Ad. 55) . . . . .	3	
	<b>16</b>	<b>16</b>

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## BIBLICAL LANGUAGES

W. F. SPECHT (head), ROYAL SAGE

*Major Requirements:* 30 hours, with a minimum of 16 in the upper division.

Required courses: Biblical Languages 7-8; 65-66; 145, 146; 155-156.

*Minor Requirements:* 20 hours, a minimum of 8 in the upper biennium. Prerequisite for Greek courses numbered 100 or above is 12 hours or the equivalent in that language.

### 7-8. BEGINNING NEW TESTAMENT GREEK (3-3)

A study of the elements of the Greek language in the vernacular koine of the first century, A.D.; readings from the Gospel and Epistles of John; three class periods and two tutorial sessions per week.

### 51-52. BEGINNING LATIN (3-3)

An intensive study of the fundamentals of Latin grammar, with emphasis on vocabulary-building and the ability to read simple Latin prose. Designed to prepare the student for the reading of the Latin Vulgate and the religious literature of the Middle Ages.

### 65-66. INTERMEDIATE NEW TESTAMENT GREEK (3-3)

A course in translation and grammatical interpretation of selected readings from the Gospels, the Apocalypse, and the Acts of the Apostles. Further study of the syntax, vocabulary, and Greek idiom of the New Testament.

### 145, 146. PAULINE EPISTLES\* (3, 3)

Reading and exegetical study of the Greek text of Paul's letters, with special attention to the historical, grammatical, and textual questions involved. May be substituted for Religion 161, 162.

### 149. TEXTUAL CRITICISM OF THE NEW TESTAMENT' (2)

A study of the materials, methods, and history of New Testament textual criticism, with practical exercises using microfilms and facsimiles of manuscripts.

### 150. TRANSLATION PROBLEMS\* (2)

The methods and resources of the art of translation. A critical examination of some of the more important translation problems with suggestive solutions.

### 155-156. BEGINNING HEBREW (3-3)

An introduction to the elements of the Hebrew language; readings from the book of Genesis.

### 158. GENERAL EPISTLES (2)

An exegetical study of the Greek text of the epistles of James, Peter, Jude, and John with attention to the historical, syntactical, and textual problems involved.

### 161. READINGS IN THE SEPTUAGINT (2)

Reading and translation of selected portions of the Greek Old Testament. Comparisons will be made with the Hebrew, with special attention to the characteristics of translation Greek and the relation of the language of the LXX to the Koine and the Greek of the New Testament.



# Biology

## BIOLOGY

L. E. DOWNS (head), E. W. LATHROP, HAROLD R. MILLIKEN,  
E. A. WIDMER

The objective of this department is to achieve an understanding of nature and natural law. The courses are designed to stress scientific methods and disciplines in reaching rational and logical conclusions and to provide offerings from which to choose for personal enrichment or for professional attainment. The student is motivated through the attraction of learning about living things. Along with the teacher, he learns to appreciate the mystery of life, while his attention is turned to the Author of Life.

*Major Requirements:* 36 hours. Required courses are: 11, 15, 16; and twenty-four hours of upper division, including courses 108, 154, 181. Electives for any combination must have the approval of the head of the department.

Cognate requirements: Chemistry 5-6 and either Chemistry 113-114 or Physics 51, 52 (both are highly desirable, as is also Chemistry 134 and 155-156). Students planning graduate work in biology may need additional hours of undergraduate work in biology and chemistry. Biology majors are advised to take German or French to meet the language requirement.

Courses 5, 6, 8, and 64 cannot apply on the major.

*Minor Requirements:* 18 hours. Requires courses are 15, 16 or 11, 108 or equivalent, plus 10 or 11 hours from the upper division. Electives for the minor must have the approval of the head of the department.

Courses 5, 6, 8, 11, 15, 64, and 181 may be taken by the general college student without prerequisite.

Those desiring a Bachelor of Science degree in Botany or Zoology should consult the head of the department.

HONORS STUDIES IN BIOLOGY. Consult this BULLETIN for a description of the Honors Program at La Sierra College. Honors credit in Biology to the extent of 2 semester hours each is available in 152-H, 154-H, 103-H, and 199H.

For Division Major (Science and Mathematics Secondary Teaching Major) see under Professional and Pre-Professional Programs.

### GENERAL BIOLOGY

#### 8. MICROBIOLOGY (4)

A study of the general principles of structure, function, and control of microorganisms for general students. Includes the study of bacteria, yeasts, molds, pathogenic protozoa, rickettsia, viruses, and their relationship to disease. Laboratory: three hours each week. Credit not given for this course and 58. Cannot apply on the biology major.

- 113, 114. **INTRODUCTION TO MEDICAL SCIENCE AND TERMINOLOGY (3,3)**  
A survey course in the fundamentals of medical science, introducing the student to basic concepts and areas of medical specialization. Particular attention is given to understanding medical terminology and developing a vocabulary that will be helpful to those entering the various medical professions. Required of students in Medical Records Administration.
152. **FIELD BIOLOGY\* (3)**  
A course designed to acquaint the student with the principles involved in field study of plants and animals. Includes ecological considerations, collecting and preserving techniques, and methods of field recording and reporting. Laboratory: six hours on alternate Sundays. A \$10 transportation fee will be charged for each student.  
Prerequisite: Biology 11 and 15 or equivalent.
154. **GENETICS (3)**  
A study of the principles of heredity and variation and their causes as demonstrated by animal and plant breeding. Laboratory: three hours each week.  
Prerequisite: Biology 11 or 15 or equivalent.
162. **GENERAL ECOLOGY (3)**  
A study of interrelations of plants and animals in their life processes and their relation to the environment. Emphasis is given to ecological principles and to composition of typical N. A. Communities. Laboratory: six hours on alternate Sundays. A \$10 transportation fee charged to each student.  
Prerequisite: Biology 11 and 15 or equivalent.
171. **CELL PHYSIOLOGY (3)**  
A study of the fundamental life processes of animals, plants, and microorganisms.  
Prerequisites: Biology 11, 15, or equivalent, and a chemistry course. It is highly desirable that students take organic chemistry and physics before registering, or concurrently.  
Laboratory: Three hours each week.
181. **PHILOSOPHY OF SCIENCE (3)**  
A survey of the basic philosophies of science with consideration of the origin and distribution of species.
188. **METHODS OF BIOLOGICAL RESEARCH (2)**  
A study of biological literature, techniques of research, and characteristics of a scientific paper.  
Prerequisite: Biology 15 or equivalent.
199. **PROJECTS AND TOPICS IN BIOLOGY (1 or 2)**  
Experimental and library study of a selected problem of limited scope may be arranged with the head of the department. Regular conferences will be arranged with the head of the department and the instructor concerned. May or may not involve original research. Limited to upper division biology majors and specially prepared minors with a minimum over-all grade point average of 2.5 and of 3.0 in the field of biology. Offered either or both semesters.

## PLANT SCIENCE

11. **GENERAL BOTANY (4)**  
The fundamentals of plant life as studied through the structure and function of typical forms. Laboratory: three hours each week.

## Biology

### 58. GENERAL BACTERIOLOGY (4)

Designed to broaden the student's view of life and his understanding of the organisms contributing to decay, fermentation, health, disease, and the biological balances in nature. Laboratory: three hours each week. Credit not allowed for this course and 8.

Prerequisites: Biology 11 or 15 or equivalent; Chemistry 5-6 desirable.

### 108. MORPHOLOGY OF PLANTS (3)

Detailed studies of type forms of Thallophytes, Bryophytes, and Tracheophytes. Life cycles, classification, and structural features emphasized. Transportation charge, \$5.00.

Laboratory: three hours each week.

Prerequisite: Biology 11 or equivalent.

### 122. PLANT PHYSIOLOGY\* (3)

A study of plant processes with special emphasis on the processes of osmosis, diffusion, photosynthesis, respiration, and mineral nutrition. Laboratory: three hours each week. Enrolment limited to 15.

Prerequisite: Biology 11 or equivalent.

### 132. SYSTEMATIC BOTANY\* (3)

A study of the taxonomy of flowering plants. Includes the study of morphological structures used in identification, family characteristics, and technique of identification and use of a key. Laboratory: three hours each week. Transportation charge, \$10.00.

Prerequisite: Biology 11 or equivalent.

### 137. PLANT ANATOMY (3)

A study of the microscopic anatomy of plant tissues with emphasis on their origin and development. Laboratory: three hours each week.

Prerequisite: Biology 11 or equivalent.

### 145. PLANT PATHOLOGY (3)

A study of the diseases of plants with emphasis on the study of the cause, effect, and control of economically important diseases. Includes the study of the taxonomy and morphology of fungi. Laboratory: three hours each week. Enrolment will be limited to 15 students.

Prerequisite: Biology 11, 8 or 58 or equivalent.

## ZOOLOGY

### 5, 6. ANATOMY AND PHYSIOLOGY (3, 3)

This course is for professional nursing and general college students. Included is the study of the structure and function of the skeleton, the muscles, and the organ systems of the human body, correlated by laboratory experience and demonstration. Cannot apply on biology major.

Laboratory: Three hours each week.

### 15, 16. GENERAL ZOOLOGY (4, 4)

A study of the structure and function of animal organisms. Representative forms of invertebrates and vertebrates of the principal groups of animals are studied and compared. Course 15, prerequisite to Course 16. Laboratory: three hours each week.



## Biology

73. **MAMMALIAN ANATOMY (2)**  
A laboratory course in which a detailed dissection of a large animal is performed to teach the anatomy of the organ systems. Laboratory: six hours each week. Prerequisite: Biology 15 or equivalent.
103. **COMPARATIVE EMBRYOLOGY (3)**  
A study of gametogenesis, fertilization, cleavage, and early development of representative chordates. Laboratory: three hours each week. Prerequisite: Biology 15 or equivalent.
124. **COMPARATIVE ANATOMY (4)**  
A study of the morphology of several representative vertebrates. Laboratory: six hours each week. Prerequisite: Biology 15 or equivalent.
133. **PROTOZOOLOGY\* (3)**  
Consists of morphological, taxonomic, and life history studies of free-living and parasitic protozoa. Laboratory: three hours each week. Prerequisite: Biology 15 and 16 or equivalent.
135. **ENTOMOLOGY\* (3)**  
The general principles of insect biology and morphology as related to identification and economic significance. Requiring field work and collections designed to acquaint the student with various groups of insects. Laboratory: three hours each week. Transportation charge, \$5.00. Prerequisite: Biology 15 or equivalent.
140. **ORNITHOLOGY (3)**  
Field and laboratory identification of birds with special emphasis on the Pacific States avifauna. Lectures include their taxonomy, life histories, characteristics of songs, migration, habitats, and special modifications. Field and laboratory work combined. Laboratory: three hours each week. Transportation charge, \$5.00. Prerequisites: Biology 15 and 16.
144. **HISTOLOGY (4)**  
A descriptive analysis of normal vertebrate tissues and organs, including those of man. The microscopic identification of stained sections is emphasized in the laboratory. Laboratory: six hours each week. Enrolment will be limited to 20 students. Prerequisite: Biology 15 or equivalent.
148. **PARASITOLOGY (4)**  
The study of the common parasites of man and domestic animals. Laboratory each week consists of recognition studies of many typical forms. Laboratory: three hours each week. Prerequisite: Biology 15, 16 or equivalent.
- 157, 158. **HUMAN PHYSIOLOGY I AND II (2, 2)**  
A study of the principles of animal function with special attention to processes relating to the metabolism of man. Prerequisites: Biology 11, 15 or 64.
183. **HERPETOLOGY\* (3)**  
Classification, distribution, life habits, and identification of amphibians and reptiles. Laboratory or field trips: three hours each week. Prerequisite: Biology 15, 16. Transportation charge, \$5.00.

### GENERAL EDUCATION

64. **BIOLOGICAL SCIENCE (4)**  
A study of the physiology and morphology of various types of living organisms with particular reference to man and his environment. Laboratory: three hours each week. Not applicable on a major. Offered both semesters.

# Biology

## Graduate Courses:

### 219. ADVANCED GENERAL ECOLOGY\*\* (3)

The analysis and interpretation of natural communities and their phenomena. Includes observation and recording of data in the field with emphasis on the desert and grass-woodland communities. Laboratory: 6 hours on alternate Sundays. Transportation charge, \$10.00.

Prerequisite: Biology 152 or 162.

### 244. CYTOLOGY AND CYTOGENETICS\*\* (3)

A study of the cell and its constituent parts. Special attention will be given to the chromosomes and their structure, and their behavior in mitosis and meiosis. Their role in the mechanism of heredity will also be considered.

Laboratory: 3 hours per week.

Prerequisite: Biology 154 or equivalent.

## CURRICULUM FOR BIOLOGY MAJOR

(Suggestive only)

### FRESHMAN YEAR

Life and Teachings of Jesus (Religion 1,2)	2	2
Freshman English (English 1-2)	3	3
Intermediate Language (53-54)	3	3
Mathematics (5,6)	3	3
General Zoology (15,16)	4	4
Physical Education (7,8)	$\frac{1}{2}$	$\frac{1}{2}$
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

If the student does not have two secondary units of college entrance credits in the required language, he will need to take in the summer between the freshman and sophomore years, six hours of some other requirement to make room for beginning language during the regular year.

### SOPHOMORE YEAR

Religion (59, 60 or 71, 72)	2	2
American History and Institutions (History 91,92)	3	3
Fundamentals of Speech (5)	3	
General Psychology (5)		3
General Botany (11)	4	
Applied Arts		3
General Chemistry (5-6)	5	5
Physical Education (55,56)	$\frac{1}{2}$	$\frac{1}{2}$
	17 $\frac{1}{2}$	16 $\frac{1}{2}$

### JUNIOR YEAR

History of Western Civilization (History 51 or 52)	3	
General Education (57 or 58)		3
Human Physiology (Biology 157, 158)	2	2
Morphology of Plants (108)		3
Organic Chemistry (113-114)	4	4
Physics (51,52)	4	4
Biology Elective (Upper Division)	3	
	16	16

### SENIOR YEAR

Religion (Upper Division)	2	2
Philosophy of Science (Biology 183)	3	
Biology Elective (Upper Division)	5	3
Literature (Upper Division)		3
Genetics (Biology 154)		3
Electives (4 hours Upper Division)	6	5
	16	16

Note: This curriculum meets all requirements for entrance to a school of medicine except four hours of Quantitative Analysis and three hours of Embryology (Chemistry 51, Biology 103 at La Sierra College). These courses may be taken in summer school or as electives.

## Building Construction

### BUILDING CONSTRUCTION

J. J. WALCKER

The building construction classes are intended to train professional builders and capable craftsmen. For the general college student the aim is to provide an understanding of building problems in the social state. Certain groups who do not plan to become technical specialists will get from prescribed classes orientation sufficient for committee memberships and tentative planning.

*Major Requirements:* 36 hours, of which a minimum of 18 must be in the upper division.

*Cognate Requirements:* Mathematics 5, 6; Physics 51, 52; Economics 51-52, Business Administration 55, 56.

*Minor Requirements:* 20 hours, of which a minimum of 6 must be in the upper division.

#### 11-12. CARPENTRY\* (3-3)

This class works on a house or other building during the school year. Each student is given opportunity to become familiar with details of construction through actual practice. Textbook and lecture work precede each building operation. Intensive study of house plans. One hour class period and six hours laboratory work each week.

#### 35. WOODWORK (3)

A beginning course in the properties of wood, joints used in woodwork, use and sharpening of tools, design and construction of small pieces of furniture. One hour recitation and six hours of laboratory work each week.

#### 41. TECHNICAL DRAWING (2)

Orthographic projection, lettering, care and use of instruments; sections and auxiliary views, pictorial presentation, dimensioning; pencil and ink tracings; projection principles. Application to practical problems with emphasis on visualization and analysis. One hour lecture and three hours laboratory work each week.

#### 42. TECHNICAL DRAWING (DESCRIPTIVE GEOMETRY) (2)

Fundamental principles of descriptive geometry. Graphical representation of lines, surfaces, and solids. One hour lecture and three hours laboratory each week. Prerequisite: Building Construction 41.

#### 51. WOOD LATHE (2)

Spindle, face plate, and chuck turning; metal spinning and pattern making.

#### 57, 58. FURNITURE CONSTRUCTION AND CABINET MAKING (2 or 3, 2 or 3)

A study of the processes, tools, machines, and materials used in the woodworking field. Each student works on a project of his own, selected in counsel with the instructor. One hour class work and three or six hours laboratory work each week. Not less than two hours credit in any one semester.

Prerequisite: Building Construction 35, High school or Academy Woodwork, or equivalent experience.



## Building Construction

- 63, 64. **HOUSE PLANNING AND STRUCTURE (2,2)\***  
A study of the principles of house planning and room arrangement, with emphasis on both function and appearance. Properties and uses of the materials of house construction are also studied. The student is expected to draw complete house plans during the course. One hour lecture and three hours laboratory each week.
71. **SURVEYING\* (3)**  
Theory and practice of plane surveying; measurement of distances; use and adjustment of transit and level; systematic methods of notes and computations; measurement of angles; leveling contours; land surveying; mapping.  
Prerequisites: Mathematics 5,6.
83. **STATICS\* (3)**  
Statics; analytical and graphical solutions; composition and resolution of forces; stresses in simple frames.  
Prerequisites: Building Construction 41, 42; Mathematics 5,6.
86. **STRENGTH OF MATERIALS\* (3)**  
Stress deformation relationships; behavior of materials under stress; theories of failure.  
Prerequisite: Building Construction 83.
- 107, 108. **STRUCTURAL DRAFTING\* (2, 2)**  
Structural details, freehand sketching, shades and shadows, working drawings, blueprinting, mechanical perspective. Complete original drawings of quality sufficient to permit use in erection of buildings are required in the second semester. Six hours laboratory each week.  
Prerequisites: Building Construction 41, 42.
129. **MECHANICAL EQUIPMENT OF BUILDING\* (3)**  
A study of mechanical, electrical, and plumbing installations in relation to the building; rules, regulations, and codes.  
Prerequisites: Buildings Construction 11-12.
135. **CONTRACTS AND SPECIFICATIONS\* (2)**  
Laws relating to building; contracts; specifications.  
Prerequisite: Business 55, 56.
146. **ESTIMATING BUILDING COSTS (3)\***  
A study of the methods of estimating construction costs in the modern building field. For majors and minors in building construction.
171. **STRUCTURAL DESIGN IN STEEL AND WOOD\* (3)**  
Wood framing; joints and connections; design and computations required for wood trusses, floor systems, beams, girders, and columns. Design of simple steel structures; beams, columns, roof trusses, bents; rivets, tension and compression members.  
Prerequisite or simultaneous registration: Building Construction 83, 84.
172. **REINFORCED CONCRETE DESIGN (3)\***  
Design of concrete mixtures; forms; working stresses; posts, beams, slabs, T-beams; continuous frames.  
Prerequisite: Building Construction 83, 84.
- 183, 184. **ARCHITECTURAL DESIGN (3, 3)**  
The appearance of a building in relation to its setting; structural considerations in planning buildings; economic factors; relation of material to design; provision for equipment; churches, schools, hospitals, mission buildings. One hour lecture and six hours laboratory each week.  
Prerequisite: Building Construction 107, 108.

## CURRICULUM FOR BUILDING CONSTRUCTION MAJOR (B.S.)

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History	3	3
Freshman English (English 1-2)	3	3
Introductory Mathematics (Mathematics 5, 6)	3	3
Psychology (5)	3	
General Education (64)		4
Technical Drawing (Building Construction 41)	2	
Descriptive Geometry (Building Construction 42)		2
Physical Education (7, 8)	$\frac{1}{2}$	$\frac{1}{2}$
	16½	17½

### SOPHOMORE YEAR

Religion	2	2
Principles of Accounting (Business Adm. 55, 56)	3	3
Physics	4	4
Statics (Building Construction 83)	3	
Strength of Materials (Building Construction 86)		3
Speech	2	2
Furniture Construction (Building Construction 57, 58)	2	2
Physical Education (55, 56)	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

### JUNIOR YEAR

History	3	3
Economics	3	3
Surveying (Building Construction 71)		3
Structural Drafting (Building Construction 107, 108)	2	2
Mechanical Equipment of Buildings (Bld. Constr. 129)	3	
Contracts and Specifications (Building Constr. 135)		2
Health Principles (Health 59)	2	
House Planning (Building Construction 63, 64)	2	2
Electives	2	2
	17	17

### SENIOR YEAR

Religion	2	2
Literature	2	2
Structural Design in Steel and Wood (Bld. Constr. 171)	3	
Reinforced Concrete Design (Building Constr. 172)		3
Architectural Design (Building Construction 183, 184)	3	3
Electives	6	6
	16	16

## Business Administration

### BUSINESS ADMINISTRATION

R. L. KOORENNY (head), WILFRED M. HILLOCK, RICHARD C. LARSON

The objective of the Business Administration Department is to prepare students for competent business service in denominational, commercial, and government employment, and to instill a high degree of moral responsibility as an aid to proper relationships with employing organizations, the church, and the community.

*Business Administration Major Requirements:* 32 hours, of which a minimum of 18 hours must be in the upper division. Required courses in Business Administration: Business Administration 29; 55, 56; 75, 76; 151; 141, 142. Required cognate courses: Economics 51-52; 123; three elective hours of economics; Speech, three hours; Secretarial Science 53, and 3 or equivalent.

Recommended: Mathematics 81, Automatic Digital Computers.

*Accounting Major Requirements:* 36 hours, of which a minimum of 20 hours must be in the upper division. Required courses in Business Administration: Business Administration 29; 55, 56; 75, 76; 141, 142; 15 hours of upper division accounting courses. Required cognate courses: Economics 51-52; 123; three elective hours of economics; Speech, three hours; Secretarial Science 53, and 3 or equivalent.

Recommended: Mathematics 81, Automatic Digital Computers.

*Minor Requirements:* 18 hours, of which a minimum of 6 must be in the upper division.

For a listing and description of Economics courses see Social Science section: Economics.

### ACCOUNTING

#### 55, 56. PRINCIPLES OF ACCOUNTING (3, 3)

The fundamental principles of modern account keeping. Accounting for proprietorships, partnerships, and corporations. Business transactions and accounting techniques are studied in text material, classroom discussion, and laboratory practice. First semester prerequisite to second.

#### 75, 76. INTERMEDIATE ACCOUNTING (3, 3)

A study of the problems of valuation as related to assets, liabilities, and proprietorships. Accounting implications of corporate organization, including preparation and analysis of accounting statements. First semester prerequisite to second. Prerequisite: Business Administration 55, 56.

#### 112. FEDERAL INCOME TAX ACCOUNTING (3)

A study of the provisions of federal income tax laws and regulations affecting the determination of net taxable income, including the preparation of tax returns for individuals, partnerships, and corporations. Prerequisite: Business Administration 55, 56.



## Business Administration

124. **FUND ACCOUNTING\*** (3)  
A study of the accounting principles and methods applicable to fund accounting as demonstrated in state and local governments and other public institutions. Prerequisite: Business Administration 55, 56.
131. **COST ACCOUNTING** (3)  
A study of process and job order cost accounting, with some attention to standard and distribution costs.  
Prerequisite: Business Administration 55, 56.
151. **ACCOUNTING SYSTEMS** (2)  
The study of various accounting systems; methods of organizing accounting operations; includes a study of the organization of denominational finance and administration.  
Prerequisite: Business Administration 75, 76.
162. **AUDITING THEORY AND PRACTICE\*** (3)  
Procedures and practices followed by the public accountant in verification of accounts and records. The preparation of audit working papers and audit reports. Prerequisite: Business Administration 75, 76.
173. **CURRENT ACCOUNTING THEORY** (3)  
The study and evaluation of accounting concepts and standards found in current accounting literature. Prerequisite: Business Administration 75.
- 184, 185. **ADVANCED ACCOUNTING\*** (2, 2)  
Intensive study of partnerships, consignments, branches and agencies, consolidations, and fiduciary accounting. Prerequisite: Business Administration 75, 76.

### GENERAL BUSINESS

29. **INTRODUCTION TO BUSINESS AND MANAGEMENT** (3)  
An introductory course designed to acquaint the student with the role of business in the American economy. Special emphasis is placed upon managerial functions and the decision-making process.
121. **PERSONNEL MANAGEMENT** (3)  
A survey of the principles and practices involved in administering personnel programs; includes case problems and individual research.
141. **BUSINESS LAW I\*\*** (3)  
Introduction to the law of business consisting of the meaning and administration of law, and a study of torts, contracts, and governmental regulation. Specific cases are used in addition to textual material.
142. **BUSINESS LAW II\*\*** (3)  
A continuation of Business Law I. Study of text, cases, and statutes in specific types of business contracts.  
Prerequisite: Business Administration 141.
161. **BUSINESS COMMUNICATIONS** (3)  
(See Secretarial Science 161.)
164. **OFFICE MANAGEMENT\*** (3)  
(See Secretarial Science 164.)
- 171-172. **PRINCIPLES OF MARKETING\*** (2-2)  
A survey of the institutions, functions, policies, and economics in the distribution of goods from producers to consumers; relation of the Government to marketing.

## Business Administration

### 175. PRINCIPLES OF ADVERTISING\* (3)

The psychology, mechanics and art of advertising; product and market research as the planning phase of an advertising program; coordination with other types of selling effort; economic, social, and legal aspects of advertising.

### 182. BUSINESS FINANCE (3)

Financial problems of business organization; launching of an enterprise; source of capital; principles of borrowing; relation of finance to the business cycle; distribution of earnings; reorganization.

Prerequisite: Business Administration 55, 56.

## CURRICULUM FOR MAJOR IN BUSINESS ADMINISTRATION (B.S.)

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Introduction to Business and Management (Business Administration 29)	3	
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (English 1-2)	3	3
American History and Institutions (History 91, 92)	3	3
Typewriting (Secretarial Science 3 or 9)	1-2	1-2
Speech (Speech 5)		3
General Education (63, 64)	4	4
Physical Education (7, 8)	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

### SOPHOMORE YEAR

Principles of Accounting (Bus. Admin. 55, 56)	3	3
Religion (59, 60 or 71, 72)	2	2
History of Western Civilization (History 51, 52)	3	3
Principles of Economics (Economics 51-52)	3	3
Health Principles (Health 59)	2	
Business Machines (Secretarial Science 53)		2
Literature	3	
Applied Arts		3
Physical Education (55, 56)	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

### JUNIOR YEAR

Intermediate Accounting (Bus. Admin. 75, 76)	3	3
Business Law I and II (Bus. Admin. 141, 142)	3	3
Religion	2	2
Money, Banking, and Credit (Economics 123)	3	
Electives in Business Administration	3	3
General Electives	2	5
	16	16

### SENIOR YEAR

Accounting Systems (Bus. Admin. 151)		2
Electives in Business Administration	3	3
Electives in Economics	3	
General Electives	10	11
	16	16

## Business Administration

### CURRICULUM FOR MAJOR IN ACCOUNTING (B.S.) (Suggestive only)

#### FRESHMAN YEAR

	First Semester	Second Semester
Introduction to Business and Management (Business Administration 29) . . . . .	3	
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
Freshman English (English 1-2) . . . . .	3	3
American History and Institutions (History 91, 92) . . . . .	3	3
Speech (Speech 5) . . . . .		3
General Education (63, 64) . . . . .	4	4
Typewriting (Secretarial Science 3 or 9) . . . . .	1-2	1-2
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

#### SOPHOMORE YEAR

Principles of Accounting (Bus. Admin. 55, 56) . . . . .	3	3
Religion (59, 60 or 71, 72) . . . . .	2	2
History of Western Civilization (History 51, 52) . . . . .	3	3
Principles of Economics (Economics 51-52) . . . . .	3	3
Health Principles (Health 59) . . . . .	2	
Business Machines (Secretarial Science 53) . . . . .		2
Literature . . . . .	3	
Applied Arts . . . . .		3
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

#### JUNIOR YEAR

Intermediate Accounting (Bus. Admin. 75, 76) . . . . .	3	3
Business Law I and II (Bus. Admin. 141, 142) . . . . .	3	3
Religion . . . . .	2	2
Money, Banking, and Credit (Economics 123) . . . . .	3	
Electives in Accounting . . . . .	3	4
General Electives . . . . .	2	4
	16	16

#### SENIOR YEAR

Electives in Accounting . . . . .	4	4
Elective in Economics . . . . .	3	
General Electives . . . . .	9	12
	16	16



## Chemistry

### CHEMISTRY

L. W. BOTIMER (head), LUELLA KRETCHMAR, W. D. LEECH,  
H. R. SHELDEN

The Department of Chemistry endeavors to provide training for its majors so that they are prepared for graduate school or industrial employment. It seeks also to provide preparation for those wishing to enter the health sciences or the teaching of Chemistry and to develop an appreciation for God's handiwork as exhibited in the science of Chemistry.

*Major Requirements:* The chemistry major must meet the general college requirements in addition to 24 hours of chemistry in the upper division and the approval of the Department of Chemistry.

*Required Courses:* A sequence comprised of either Chemistry 5-6, 51, 115-116, 155-156, and 198 or Chemistry 7-8, 115-116, 155-156, 160 and 198.

Cognate requirements: Mathematics 71, 72; Physics 51, 52 or 61, 62, 63, 64.

Recommended: Biology 15, 16 or 11 and 15; Physics 151, 152; German, or French.

*Minor Requirements:* 24 hours. Required courses: 5-6 or 7-8, 113-114 or 115-116. Chemistry 1-2, 71 not applicable on the minor.

Those who desire a Bachelor of Science degree in Chemistry should consult the head of the department for approved adjustment in requirements.

For Division Major (Science and Mathematics Secondary Teaching Major) see under Professional and Pre-Professional Programs.

#### 1-2. GENERAL CHEMISTRY (3-3)

A non-mathematical study of some of the principles of inorganic, organic, and biological chemistry. Applicable to any curriculum not requiring a mathematical treatment of chemistry. Credit not acceptable for premedical, predental, or medical technology programs. Two lectures and one three hour laboratory each week.

#### 5-6. GENERAL CHEMISTRY (5-5)

A standard freshman course in general college chemistry. Stresses the fundamental principles and theories of chemistry with emphasis on practical aspects. A study of Qualitative Analysis using semimicro methods is included in the second semester's work. Three one-hour lectures each week. Laboratory: two three-hour periods each week. Prerequisite: High school chemistry or physics or Chemistry 1. (Credit cannot be earned in both Chemistry 1-2 and 5-6.)

## Chemistry

Prerequisite: High school chemistry or physics or Chemistry 1 and Mathematics 5, or concurrent registration in Chemistry 1 and Mathematics 5.

### 7-8. GENERAL CHEMISTRY (5-5)

An advanced freshman course in general college chemistry. Emphasizes the fundamental principles and theories of chemistry from the analytical viewpoint. Communication between student and instructor are freely indulged in at all times, which may take the form of devising experiments to illustrate chemical problems. Includes the equivalent of two hours of Quantitative Analysis. Three one-hour lectures each week and two three-hour laboratory periods each week.

Prerequisite: High school chemistry, physics and suitable score in the aptitude test. (Credit cannot be earned in both Chemistry 5-6 and 7-8.)

### 51. QUANTITATIVE ANALYSIS (4)

Designed to acquaint the student with the theory, methods, and calculations of gravimetric and volumetric analysis. Proficiency in the use of the slide rule will be helpful. Two lectures and two three-hour laboratory periods each week.

Prerequisites: Chemistry 5-6 and Mathematics 5 or equivalent.

### 71. ELEMENTARY ORGANIC CHEMISTRY (4)

A course designed to meet the needs of majors in Home Economics, Agriculture, and other non-chemistry fields. Three one-hour lectures and one three-hour laboratory each week.

Prerequisite: Chemistry 1-2 or 5-6.

### 113-114. ORGANIC CHEMISTRY (4-4)

A systematic study of the fundamental principles and reactions of organic chemistry, with application to the living processes, industry, and society. This course is intended primarily for home economics, dietetics, forestry, and bacteriology majors. It may not apply on the major in chemistry programs. Three one-hour lectures each week. Laboratory: one three-hour period each week.

Prerequisite: Chemistry 5-6 or 7-8. 51 recommended.

### 115-116. ORGANIC CHEMISTRY (5-5)

A systematic development of the fundamental principles of the chemistry of carbon compounds and their reactions. A more comprehensive presentation of the subject than offered in 113-114. Laboratory work is designed to train the student in laboratory techniques of the organic chemist. This course, intended primarily for chemistry and chemical engineering majors, is a basis for teaching and for scientific research. Three one-hour lectures each week. Laboratory: two three-hour periods each week.

Prerequisite: Chemistry 5-6 or 7-8. 51 recommended.

### 130. ADVANCED QUANTITATIVE ANALYSIS\*\* (3)

A continuation of Chemistry 51 emphasizing the principles of physical chemistry which serve as a basis for analytical processes. One hour lecture and two three-hour laboratory periods each week.

Prerequisite: Chemistry 51.

### 132. CHEMICAL MICROSCOPY (3)

A study of the polarizing microscope and its accessories. Micrometric measurements, examination of fibres and study of optical crystallographic properties with applications to chemical analysis. Two lectures and one laboratory each week.

Prerequisites: Approval of instructor.

## Chemistry

### 134. BIOCHEMISTRY (4)

Discussion of select topics designed to familiarize the student with the nature of the reactions which take place in living tissues and with the functions of enzymes, vitamins, and hormones in controlling these reactions. The course deals primarily with Biochemistry as it is related to plants and animals. Three one-hour class periods each week. Laboratory: one three-hour period each week.

### 141. ORGANIC SYNTHESIS\*\* (2)

A course designed to help fit the student for research. Study is given to such topics as literature research, distribution, extraction, purification and special techniques. Laboratory work consists of the preparation and purification of a number of typically organic compounds. One lecture and one three-hour laboratory period each week.

Prerequisite: Chemistry 115-116.

### 144. QUALITATIVE ORGANIC ANALYSIS\*\* (2)

A course in the classification and identification of organic compounds and mixtures. One lecture and one three-hour laboratory period each week.

Prerequisite: Chemistry 115-116.

### 155-156. PHYSICAL CHEMISTRY (4-4)

A study of the fundamental physico-chemical concepts and laws. Three one-hour lectures each week. Laboratory: one three-hour period each week.

Prerequisites: Chemistry 5-6 or 7-8. Mathematics 71, 72, Physics 51, 52 or 61, 62, 63, 64.

### 160. INSTRUMENTAL METHODS OF ANALYSIS (4)

The study and use of the basic principles of physical chemistry as applied to modern methods of analysis. The laboratory program includes the use of the spectrophotometer, gas chromatograph, and polarizing microscope. Experience is also gained in some electro-metric methods of analysis and radioisotope techniques.

Prerequisite: Physical Chemistry or concurrent registration.

### 199. PROJECTS AND TOPICS IN CHEMISTRY (2)

Individual work in special fields. Open only to senior chemistry majors. Up to four hours of credit may be earned. Offered both semesters.



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## CURRICULUM FOR CHEMISTRY MAJOR

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
Freshman English (English 1-2) . . . . .	3	3
Mathematics (5, 6 or 51, 52) . . . . .	3	3
General Chemistry (Chemistry 5-6 or 7-8) . . . . .	5	5
Intermediate Language or German 3-4 . . . . .	3	3
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	<hr/> 16½	<hr/> 16½

### SOPHOMORE YEAR

General Physics 51, 52 . . . . .	4	4
Calculus (Math 71, 72) . . . . .	3	3
History of Western Civilization . . . . .	3	3
(History 51, 52)		
Quantitative Analysis (Chemistry 51) . . . . .	4	
General Zoology (Biology 15) . . . . .		4
German 53-54 or elective . . . . .	3	3
Physical Education . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	<hr/> 17½	<hr/> 17½

### JUNIOR YEAR

Organic Chemistry (Chem. 116-117) . . . . .	5	5
Applied Arts . . . . .		3
Health Principles (Health & P.E. 59) . . . . .	2	
General Education (57 or 58) . . . . .	3	
Religion . . . . .	2	2
General Psychology (Psych. 5) . . . . .	2	2
Speech 5 . . . . .	3	
Elective . . . . .		3
	<hr/> 17	<hr/> 15

### SENIOR YEAR

Physical Chemistry (Chem. 155-156) . . . . .	4	4
Projects and Topics (Chem. 198) . . . . .	2	
Chemistry (upper division) . . . . .		4
Religion . . . . .	2	2
Literature . . . . .	2	2
American History (Hist. 91, 92) . . . . .	3	3
	<hr/> 13	<hr/> 15

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## Education

### EDUCATION

R. S. LOWRY (head), STANLEY BULL, MARY GROOME,  
MAURICE HODGEN, JANET JACOBS, MAYBEL JENSEN,  
GEORGE PLATNER, GEORGE SIMPSON, MARILYN TEELE,  
and supervising teachers.

The Department of Education has as its major purpose the preparation of teachers for elementary, intermediate, and secondary schools.

Students are advised to select those courses which will fulfill the professional requirements of the organization in which they expect certification. La Sierra College is accredited by the California State Board of Education to prepare candidates for the General Elementary Credential.

**Elementary Education:** Two curriculums are offered. One curriculum is a concentration in Education of 26 semester hours, with 4 semester hours of psychology in the upper division, and a supporting major in an academic subject. The curriculum is divided into four areas: general education, professional courses in the major field of concentration, content courses in the supporting major area of concentration, and additional requirements necessary for an elementary credential. Required courses: Education 55, 56; 141 or 162; 103; 125, 126; 135, 136; 157; 185, 186. Cognate courses are selected in consultation with the coordinating professor. Required Cognates: Art 50, 51, 52 or equivalent, Psychology 121, 170.

The alternate curriculum is an Inter-Divisional content major leading to the Bachelor of Arts degree with electives in subject matter fields beyond the general education requirements in Communicative Arts, Social Studies, Science and Mathematics, Fine Arts, Health and Physical Education. Eighteen semester hours in the upper division are required. (See curriculum outline.) A total of 24 semester hours, upper division, in Education is required: Education 55, 56; 141 or 162; 125, 126; 135; 136; 157; 185, 186. Psychology 121; 170.

**Education Minor Requirements:** 18 hours. Required courses: Education 157, 121; 135; 136; 141 or 162; 185 or 186.

**Secondary Education:** Candidates for the California General Secondary Credential are expected to meet the following requirements: have a bachelor's degree; complete one year of 30 semester hours beyond the baccalaureate level; complete a major of at least 36 semester hours and a minor of at least 20 semester hours in subjects commonly taught in the high school; complete 22 semester hours of professional education courses of which at least eight semester hours must be taken in the fifth year. (At least 6 semester hours in the major subject area and 8 semester hours in professional education must be taken as part of the above listed 30 hour requirement).

## Education

Candidates for General Conference of Seventh-day Adventist credentials must fulfill approximately the same requirements.

Courses required in Secondary Education are as follows: 55, 56, 103, 141, 153, 155, 165, 183, 190.

Psychology 5 is prerequisite to all education courses.

55, 56. INTRODUCTION TO EDUCATION (1, 1)

An orientation course for future teachers. A study is made of the work of the teacher and the qualifications needed for teaching. Student activities include reading, discussion, observation, participation and evaluation of classroom activities. Required California statutory tests may be given in this course.

101. PSYCHOLOGY OF ADOLESCENCE (2)

(See Psychology 101 for description.)

81. CHILDREN'S LITERATURE (2)

A survey of children's literature and the criteria for the selections used in elementary teaching. This course does not apply on English major or minor requirements.

103. AUDIO-VISUAL METHODS AND MATERIALS (2)

A course designed to acquaint the student with the various audio-visual materials as they affect learning. Development and analysis of materials of instruction; operation and care of equipment. Laboratory projects included. Offered both semesters.

114. EDUCATIONAL PSYCHOLOGY (3)

(See Psychology 114 for description.)

118. (See Music Education 118.)

121. CHILD GROWTH AND DEVELOPMENT (2)

(See Psychology 121 for description.)

125, 126. ELEMENTARY SCHOOL CURRICULUM AND METHODS (2, 2)

A survey of the work of the elementary school in terms of curriculum organization, materials, and methods. The first semester emphasizes the areas of language arts (English, spelling and handwriting), health, and science, and the second semester emphasizes social studies (Bible, history, geography, and civics).

135. READING IN THE ELEMENTARY SCHOOL (2)

A comprehensive consideration of the methods, materials, and instructional aids for teaching reading in the elementary school. Observation and participation, for a semester, in the Demonstration School provides an opportunity for the analysis of individual and group reading problems.

136. ARITHMETIC IN THE ELEMENTARY SCHOOL (2)

A comprehensive consideration of the methods, materials and instructional aids for the teaching of arithmetic in the elementary school. Directed observation is provided in the Demonstration School. Prerequisite: Mathematics 101 or equivalent.



## Education

141. **PRINCIPLES OF CHRISTIAN EDUCATION (3)**  
A survey of the basic principles of education. Offered both semesters.
153. **PRINCIPLES OF GUIDANCE (2)**  
A course devised to emphasize principles, methods, organizations, and aims in the educational, vocational, health, and civic-ethical-social guidance of students.
155. **EDUCATIONAL MEASUREMENTS (3)**  
A study of the principles of educational measurement together with the use, evaluation, and interpretation of tests as they pertain to the elementary and secondary grades. Courses include one hour of laboratory experience per week. Offered both semesters.
156. **SCHOOL ADMINISTRATION (3)**  
A study of the general administrative problems applicable to elementary, junior academy, and secondary school. Finance, public relations, guidance, personnel, curriculum development, and the supervision of extracurricular activities.
157. **ORGANIZATION AND ADMINISTRATION OF THE ELEMENTARY SCHOOL (3)**  
This course acquaints the prospective teacher with techniques in organizing and managing the modern elementary classroom. Attention will be directed to organization, grouping, pupil progress, classroom records, analysis and treatment of behavior problems, ethics, and community relationships.
162. **PHILOSOPHY AND HISTORY OF EDUCATION (3)**  
The philosophy and history of sacred and secular educational writings. Emphasis is given to the concepts of representative educational thinkers as their philosophy applies to modern educational thought.
164. **EDUCATIONAL SOCIOLOGY (2)**  
A study of significant sociological data, trends and principles which are applicable to educational policies and practice. Special emphasis is placed on relationships between the school and the community and to social backgrounds where functional education is a factor in social change. Fundamentals of Sociology is recommended to precede.
165. **THE AMERICAN SECONDARY SCHOOL (2)**  
A consideration of the organization, development, objectives, learning activities, evaluation methods, and instructional procedures of the secondary school. Offered both semesters when required.
170. **THE EXCEPTIONAL CHILD (2)**  
(See Psychology 170 for description.)
173. **THE RETARDED CHILD (2)**  
(See Psychology 173 for description.)
174. **THE GIFTED CHILD (2)**  
(See Psychology 174 for description.)
183. **PROCEDURES AND MATERIALS FOR SECONDARY TEACHING (2)**  
(See description of courses 183 as offered in individual departments.)

## 185, 186. SENIOR YEAR STUDENT TEACHING THE ELEMENTARY SCHOOL (2 to 12)

Open only to seniors. The completion of at least one semester in residence. Each basic methods course must carry at least a grade of C for admittance to and continuance of student teaching. Long blocks of time for this course are necessary. The work is directed by a supervising teacher and is supplemented by conferences with the supervising teacher, coordinator, and director of teacher education. The student may provide his own transportation, or, if this is not possible, the transportation will be furnished by the college on a cost basis.

## 189. WIND INSTRUMENT MATERIALS AND TECHNIQUES (2) (See Music Education 189.)

## 190. DIRECTED TEACHING IN THE SECONDARY SCHOOL (2 to 6)

A course in which the student teacher observes, participates in class activities, makes lesson plans, and teaches under the supervision of the secondary school supervisor and with the counsel of the head of the college Department of Secondary Education. The student must be recommended by both his major (or minor) professor and the director of teacher education when making application to the Teacher Education Council for validation of his registration in this course. Prerequisites: At least 12 hours of professional education, including Secondary Education 165, 181, and completion of at least one semester in residence. (May be taken either semester.)

## 191. VOICE MATERIALS AND TECHNIQUES (2) (See Music Education 191.)

## 193. PIANO MATERIALS AND TECHNIQUES (2) (See Music Education 193.)

## 195. VIOLIN MATERIALS AND TECHNIQUES (2) (See Music Education 195.)

### *Graduate Courses:*

## 201. METHODS AND MATERIALS OF RESEARCH (2)

## 210. PSYCHOLOGICAL FOUNDATIONS OF EDUCATION (2)

A systematic examination of the contributions of psychology to educational theory and practice. Learning theory and its implications for human development will be central concerns of the course.

## 215. STUDENT PERSONNEL SERVICES IN SECONDARY AND HIGHER EDUCATION (2)

A critical examination of operation of student personnel services in American secondary schools and colleges. (Prerequisite: Ed. 153).

## 226. SOCIAL FOUNDATIONS OF EDUCATION (2)

The study of education as a social institution. The course will organize around such concerns as social change, historic precedents, contemporary, national and world affairs affecting education, forces in policy determination.

## 232. ELEMENTARY SCHOOL ADMINISTRATION (2)

Background of the elementary school, including modern techniques of development and administration.

## 237. SECONDARY SCHOOL ADMINISTRATION (2)

Modern techniques of organization, development, and administration of the school program from the junior high school through the junior college.

## Education

238. CURRICULUM PLANNING (2)  
Investigation of the curriculum in the elementary and secondary schools organized around such topics as: selection and organization of materials; evaluation; supervision of curriculum improvement; articulation of elementary and secondary curricula with higher education.
245. SCHOOL FINANCE (2)  
Principles, problems involved in financing schools generally; emphasis upon practice and problems. (Permission of instructor required.)
263. COUNSELING AND GUIDANCE SEMINAR (2)  
Interviewing and counseling methods, use of tests and records in understanding the individual student, the function of teacher, administrator and specialist in the guidance services.  
Prerequisite: 153 or equivalent experience.
270. SUPERVISION IN ELEMENTARY AND SECONDARY SCHOOLS (3)  
Principles and practices of supervision, curriculum and teaching methods, evaluation in elementary and secondary schools. (Permission of instructor required.)
277. COUNSELING TECHNIQUES PRACTICUM (2)  
Experience in counseling under supervised conditions. Placements made in nearby institutions. (Prerequisite: Ed. 153).
280. INTELLIGENCE TESTING PRACTICUM (4)  
Administration and usage of individual intelligence tests as well as tests of special ability. Emphasis on the WISC, WAIS, Stanford-Binet, 3rd Revision, Arthur Point Scale and others. (Prerequisites: Psy. 121 and Ed. 155).
281. FIELD WORK IN ELEMENTARY OR SECONDARY SCHOOLS IN ADMINISTRATION OR GUIDANCE (2)
283. LEGAL ASPECTS OF EDUCATION (2)  
Legal principles governing federal, state, county, and city school organization and administration. The private school situation also is considered. (Permission of Instructor required).
284. SEMINAR IN THE TEACHING OF SCIENCE AND MATHEMATICS (3)  
A study of the accepted objectives of science and mathematics as well as a consideration of ways in which these can produce a reasonably integrated program of science and mathematics extending from grades 1 through 14.
261. SEMINAR IN ELEMENTARY EDUCATION (2)  
Group and individual study of the major trends in elementary education methodology. The course provides opportunity for experienced teachers to gain competency in teaching particular areas such as reading, language arts, social studies, arithmetic, science, art and music. (Prerequisites: Teaching Experience and consent of the Instructor.)
296. MASTER'S PROJECT (2)
298. MASTER'S THESIS (4)



## Elementary Teacher Education

### INTER-DIVISIONAL CONTENT MAJOR FOR ELEMENTARY TEACHERS

This program develops a solid foundation of 16 hours in each of two of the areas of Communicative Arts, Social Studies, and Science and Mathematics and 22 hours in the remaining one. In keeping with the growing trend to require a fifth year prior to State certification of elementary teachers, this program is especially suitable as a foundation for the various master's programs being offered by La Sierra College. While working on the master's degree, the elementary teacher can raise one or more of these areas to an even greater degree of competence and at the same time have opportunities to take desirable cognates and professional courses that are not possible in a four-year program.

#### *General Education Requirements*

Religion .....	12
English and/or Speech .....	12
History .....	12
Foreign Language .....	8
General Education (63, 64) .....	8
General Psychology .....	3
Fine Arts .....	3
Applied Arts .....	3
Health and Physical Education .....	2
<hr/>	
	63

#### *Professional Education and Advanced Psychology*

Introduction to Education (Education 55, 56) .....	2
Principles of Christian Education (Education 141) .....	3
Organization and Administration of the American School (Education 157) .....	3
Curriculum and Methods (Education 125, 126) .....	4
Reading in the Elementary School (Education 135) ....	2
Arithmetic in the Elementary School (Education 136)	2
Senior Year Student Teaching (Education 185, 186)	8
Electives in Education .....	3
Child Growth and Development (Psychology 121) ....	2
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	29

#### *Electives in Content Areas (Beyond General Education) 18 hours U.D.*

Communicative Arts .....	4
Social Studies .....	4
Science and Mathematics .....	8
Additional in one of the above three areas .....	6
Fine Arts .....	9
Health and Physical Education .....	4
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	35

# Elementary Teacher Education

## CURRICULUM FOR ELEMENTARY EDUCATION

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 51, 52)	3	3
Freshman English (English 1-2)	3	3
General Psychology (Psychology 5)	3	
Applied Arts		3
Introduction to Education (Education 55, 56)	1	1
Art (50, 51)	2	1
Speech (Speech 5, 62)		2-3
Elective	2	
Physical Education (7E, 8E)	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	15 $\frac{1}{2}$ -16 $\frac{1}{2}$

### SOPHOMORE YEAR

Religion (59, 60 or 71, 72)	2	2
General Education (63, 64)	4	4
Principles of Christian Education (Education 141)		3
American History and Institutions (History 91, 92)	3	3
Elements of Music (Music 1)	2	
Literature	3	
Elective	2	4
Physical Education (55, 56)	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

### JUNIOR YEAR

Religion	2	2
Organization and Admin. of American School (157)	3	
Child Growth and Development (Psychology 121)	2	
Music in the Elementary School (Music 118)		2
Reading in the Elementary School (Education 135)	2	
Basic Concepts of Arithmetic (Mathematics 101)	2	
Arithmetic in the Elementary School (Education 136)		2
Elementary School Curriculum and Methods (125, 126)	2	2
Elective	2	2
Area of Concentration and Elective		6
	15	16

### SENIOR YEAR

The Exceptional Child (Psychology 170)	2	
Audio-Visual Methods and Materials (Education 103)		2
Senior Year Student Teaching (Education 185, 186)	8	
Supporting Area of Concentration and Elective	6	14
	16	16

## ENGLISH

MERLIN L. NEFF (head), LILLIAN BEATTY, NANCY BULL,  
 RICHARD B. LEWIS, HELEN LITTLE, T. A. LITTLE,  
 LAWRENCE MOBLEY (director, Freshman English),  
 C. A. OLIPHANT, VIVIAN SMITH, MARILYN TEELE.

The English Department aims to equip the general college student with (a) information and spirit for the enjoyment of literary art and history and (b) efficiency in organizing his thoughts into effective writing. Additional aims for the English major are scholarship in literature and composition adequate for teaching and graduate study.

*Major Requirements:* Thirty hours in addition to English 1-2, with a minimum of 24 in the upper division. Prescribed courses: English 61, 62; 105-106; two courses in American Literature 171-175; and 197-198. 105-106 may be waived by credit in Journalism 55-56 or its equivalent. A related requirement, in addition to the General Education history requirement, is a full-year course in British Civilization (History 107-198).

*Minor Requirements:* Eighteen hours in addition to English 1-2, with a minimum of 8 in the upper division. Prescribed courses: English 61, 62; four hours in American Literature; and 105-106. 105-106 may be waived by credit in Journalism 55-56 or its equivalent, though only two of the hours in Journalism may apply as English. History 107, 108 is recommended.

Honors Studies in English. Consult Studies for Honors for a description of the Honors Program at La Sierra College. Honors credit in English to the extent of 1 or 2 semester hours is available in 156H, 162H, 164H, 166H, 168H, 170H, 173H, 174H, 175H, 176H, 181H.

EF. ENGLISH FOR FOREIGNERS (0)

A non-credit class for those who need accelerated drill in the basic structure and idiom of English.

OA. FUNCTIONAL GRAMMAR AND LANGUAGE ELEMENTS (0)

A concentrated non-credit review course prerequisite to English 1-2 for all students who do not pass the English Placement Test.

1. FRESHMAN ENGLISH (3)

Introduction to college composition and reading. A study of the techniques and practices of expository writing with weekly themes and a library or research paper. The student is expected to have mastered the fundamentals of grammar and composition before entering the course.

Prerequisite: Satisfactory performance on the English Placement Test.

2. FRESHMAN ENGLISH (3)

Introduction to literature and a continuation of composition. Study is made of the several genres of literature with particular attention to literary techniques. The student is expected to read selected passages from representative authors and to write critically about them. Prerequisite: English 1. English 1 and 2 are prerequisite to any other courses in English.



## English

- 51, 52. SURVEY OF AMERICAN LITERATURE (2, 2)  
American literature and the typical works of the significant authors from its beginning to the twentieth century.
- 61, 62. SURVEY OF ENGLISH LITERATURE (3, 3)  
A study of the principal works of English literature based on readings to represent great writers, literary forms, and significant currents of thought. Primarily for English majors and minors.
- 71, 72. IDEAS AND ETHICS OF LITERATURE (3, 3)  
Study of literature and the nature of literature through the reading of great prose and poetry in World literature. Provides an introduction and background in the study of other literatures and other fields of cultural history. (Not for English majors or minors.)
81. CHILDREN'S LITERATURE (2)  
A survey of children's literature and the criteria for the selections used in elementary teaching. This course does not apply on English major or minor requirements.

### UPPER DIVISION COURSES

(Courses marked by a ‡ are open only to English majors and graduate students except with permission of the instructor.)

- 105-106. CREATIVE WRITING (2-2)  
Advanced study of the principles of effective composition; practice in creative writing according to needs, abilities, and interests of the students.
107. THE WRITING OF POETRY (2)  
Primarily for students seriously interested in the technique and composition of poetry.
110. THE ENGLISH LANGUAGE (3)  
The history of the language from its origins to current usage. Not applicable on the general education literature requirement for the bachelor's degree.
123. THE ENGLISH BIBLE AS LITERATURE \* (2)  
A study of the Bible as literary art among the world's supreme masterpieces. This course applies on the English major or minor but not on the first three hours of the general education literature requirement for the bachelor's degree.

### Old and Middle English

155. ANGLO-SAXON AND MEDIAEVAL LITERATURE (3)  
The Old English is studied in translation. Middle English, including Chaucer, is studied in the original.
156. THE AGE OF CHAUCER ‡ (3)

### Literature of the Renaissance

161. ENGLISH RENAISSANCE \* (3)
162. MILTON \* ‡ (3)

### Dramatic Literature

163. THE DEVELOPMENT OF THE DRAMA (3)
164. SHAKESPEARE ‡ (3)

### Eighteenth Century Literature

165. NEO-CLASSIC POETRY AND PROSE (3)
166. POPE AND JOHNSON ‡ (3)

### The Romantic Age

167. THE ROMANTIC AGE \* (3)  
The Romantic ascendancy studied through the works in poetry and prose from 1784-1832.
168. THE ROMANTIC POETS \* ‡ (3)  
Wordsworth, Coleridge, Byron, Shelley, and Keats.

## The Victorian Age

169. NINETEENTH CENTURY PROSE \* (3)
170. THE VICTORIAN POETS \* † (3)  
A study of the poets from Tennyson to Hardy as a reflection of the ideals and philosophy of the age.

## American Literature

171. THE COLONIAL AND EARLY NATIONAL PERIOD (2)
172. NINETEENTH CENTURY AMERICAN WRITERS (2)
173. THE AMERICAN ROMANTIC IDEALISTS † (3)  
Emerson, Thoreau, Hawthorne, Melville.
174. THE AMERICAN REALIST † (3)  
Whitman, Howells, James, Twain.
175. ENGLISH AND AMERICAN LITERATURE OF THE TWENTIETH CENTURY (2)
176. HISTORY OF LITERATURE CRITICISM \* † (3)  
A brief survey of the major literary criticism from Aristotle to the relatively recent past; also a study of general current criteria in evaluating literary works.  
Prerequisite: Literature major or minor status.
181. PROCEDURES AND MATERIALS IN LANGUAGE ARTS AND LITERATURE † (2)  
A course for those preparing to teach the language arts in secondary schools. Objectives, methods, materials, and problems are considered.  
Prerequisite: Secondary Education 165. May be taken concurrently.
- 197-198. ENGLISH MAJOR PROSEMINAR (1-1)  
Required of English majors in the senior year and recommended to minors. Only majors and minors in the department are admitted. The senior major examination in English will be given during the last month of the semester.

## GRADUATE SEMINARS

201. DIRECTED WRITING (2)  
An advanced course for mature writers who are working seriously on their own initiative on literary projects. Applicants will be accepted only after samples of their writing have been submitted to the English Department.
281. CHAUCER (3)
282. SPENSER (3)
283. SHAKESPEARE (3)
284. MILTON (3)
285. WORDSWORTH AND SHELLEY (3)
287. TENNYSON AND BROWNING (3)
288. COLONIAL AMERICAN LITERATURE (3)
289. EMERSON AND THOREAU (3)
290. HAWTHORNE AND MELVILLE (3)
291. MARK TWAIN, HOWELLS, AND JAMES (3)
292. TWENTIETH CENTURY LITERATURE (3)
293. CRITICISM (2-3)
295. SPECIAL RESEARCH (2-3)
296. THESIS (3)
297. GRADUATE READING COURSE (1-3)

## CURRICULUM FOR ENGLISH MAJOR

## FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
History of Western Civilization (History 52) . . . . .		3
General Education (57 or 58) . . . . .	3	
Freshman English (English 1-2) . . . . .	3	3
Beginning Language (French or German recommended) . . . . .	3	3
(Not required of those who present two units of college entrance in the chosen language.)		
General Psychology (5) . . . . .	3	
Applied Arts . . . . .		3
Elective . . . . .	2	2
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16%	16%

## SOPHOMORE YEAR

English Literature Survey (English 61, 62) . . . . .	3	3
Religion . . . . .	2	2
General Education (63, 64) . . . . .	4	4
American History and Institutions (History 91, 92) . . . . .	3	3
Intermediate Language . . . . .	3	3
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	15%	15%

## JUNIOR YEAR

Journalism 55-56 or Advanced Composition 105-106 . . . . .	2	2
Upper Division English . . . . .	3-8	3-8
(Some upper division classes are offered only in alternate years; juniors should note preferred subjects and anticipate the year of their availability.)		
Speech . . . . .		3
Health Principles (Health 59) . . . . .	2	
British Civilization (History 107, 108) . . . . .	2	2
(Offered only in alternate years; juniors may antici- pate this as a senior subject when it is not available in their junior year.)		
Language (143-144 recommended) . . . . .	1	1
Elective . . . . .	2	2
	14-17	15-18

## SENIOR YEAR

English Major Conference (English 197-198) . . . . .	1	1
Upper Division English . . . . .	6	6
Upper Division Religion . . . . .	2	2
Elective . . . . .	7	7
	16	16



## FRENCH (See Romance Languages)

### GENERAL EDUCATION

Under "General Education and Basic Requirements" are listed courses in General Education under Fine Arts and Science. These courses, as specified below, are recommended for fulfilling the general requirements. They are recorded as General Education credit, though they are also listed in the several departments. The specific course requirement may be waived by recommendation of the chairman of the division in cases where the student takes courses of a more extensive nature in the same area.

- 57. INTRODUCTION TO VISUAL ARTS (3)  
(See Art Section)
- 58. INTRODUCTION TO MUSIC (3)  
(See Music Section.)
- 63. PHYSICAL SCIENCE (4)  
(See Physics Section.)
- 64. BIOLOGICAL SCIENCE (4)  
(See Biology Section.)

### GERMAN

KALJO S. MAGI

The objectives of this department are to equip the major with the necessary tools to enter professions requiring foreign language and to prepare him for graduate study. The aim is to develop the student's ability to reason inductively, to give him a deeper insight into his mother tongue, to arouse in him an awareness and appreciation of his cultural heritage, and to stimulate his interest in the foreign mission program of the church.

In fulfilling his language requirements, the student should be aware that a reading knowledge of either French or German will be required of him on Master's degree work, and quite probably both French and German on a Ph.D. program.

Before enrolling in a modern language course numbered 100 or above, a student must have completed 12 to 14 hours, or the equivalent, in one language. Education 183 and 190 are recommended for students planning to teach a language. Consult the chairman of the Education Department regarding requirements for teacher certification.

*Major Requirements:* 30 hours in addition to German 3-4 or the equivalent, of which a minimum of 24 hours must be in the upper division. These must include 107, 108, 110. Required cognates: English 61, 62 or 71, 72 and 3 hours upper division literature, (English 163 recommended); Speech 71, 121.

*Minor Requirements:* 18 hours above the beginning course, or its equivalent, of which a minimum of 9 hours must be in the upper division, including 107. This requirement may be reduced to 15 hours if a student has 2 secondary units or the equivalent in a language other than German.

## German

### 3-4. BEGINNING GERMAN (3-3)

A study of the fundamentals of grammar, drills in verbs and pronunciation, reading of simple prose. Laboratory time required, two one-hour periods a week.

### 53-54. INTERMEDIATE GERMAN (3-3)

A review of grammar with special emphasis on idioms; reading of German prose to furnish a background of life, culture, and geographical aspects of Germany.

Prerequisite: German 3-4 or equivalent.

### 105. SCIENTIFIC GERMAN (2)

A course especially intended for students who plan to enter the field of science or medicine. A grammatical analysis from the standpoint of peculiarities of scientific German. Readings to acquaint the student of science or medicine with vocabulary, style, and subject matter in his field.

### 107. GERMAN CONVERSATION (2)

Intensive practice in German pronunciation; stresses fluent and correct use of vernacular conversation based upon everyday life and events.

### 108. GERMAN COMPOSITION\* (2)

A brief review of grammar; practice in writing compositions of various types.

### 110. PRINCIPLES OF LINGUISTIC SCIENCE (2)

A comparative historical and descriptive study of languages and language families of Europe. Intended either for prospective teachers of languages or for those who are interested in the relationship and development of linguistic systems. (Offered for all students of modern languages, including English.)

### 135, 136. OUTLINE HISTORY OF GERMAN LITERATURE (3, 3)

A study of the main currents of German literature from its beginnings to 1900. Readings, based on a German text, include selections of the works of representative authors of the periods studied.

### 141. ROMANTICISM\* (2)

A study of German Romanticism — and its chief exponents.

### 142. CLASSICISM (2)

A selective study of the works of Goethe, Schiller, and their contemporaries.

### 143-144. READING GERMAN (1-1)

Readings in German in the student's major field, the readings to be chosen in conference with his major professor and the language professor. May be taken during the junior year or senior or both.

### 145. REALISM\* (2)

A study of German authors during the period of 1830-1890.

### 151, 152. CONTEMPORARY LITERATURE\* (3, 3)

A study of selected authors since 1900.

A study of the objectives, fundamental principles and techniques, and problems of teaching a foreign language. Students will have opportunity to observe teaching on different levels of achievement.

## CURRICULUM FOR GERMAN MAJOR

(Suggestive only)

## FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
History of Western Civilization (History 51, 52) . . . . .	3	3
Freshman English (English 1-2) . . . . .	3	3
Beginning German (3-4) . . . . .	3	3
(Not required of those who present two units of college entrance in German.)		
General Psychology or Fundamentals of Sociology . . . . .	3	
Health Principles (Health 59) . . . . .		2
Applied Arts . . . . .		3
Elective . . . . .	1	
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	15½	16½

## SOPHOMORE YEAR

Religion . . . . .	2	2
American History and Institutions (History 91, 92) . . . . .	3	3
Intermediate German (53-54) . . . . .	3	3
General Education (63, 64) . . . . .	4	4
English Literature Survey (61, 62) or Ideas and Ethics of Literature (71, 72) . . . . .	3	3
Electives . . . . .	1	1
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

## JUNIOR YEAR

Upper Division German . . . . .	6	6
(A student in the junior year should take note that many of the upper division German classes are offered only in alternate years, and he should therefore, in consultation with the chairman of the department, arrange his study list accordingly.)		
Religion (171, 172 recommended) . . . . .	2	2
General Education (57 or 58) . . . . .	3	
Speech (71, 121) . . . . .	2	2
Upper Division English Literature (Eng. 163 recommended) . . . . .	3	
Electives . . . . .		6
	16	16

## SENIOR YEAR

Upper Division German . . . . .	7	5
Electives (English 155 and 156 recommended) . . . . .	9	11
	16	16



# Health and Physical Education

## HEALTH AND PHYSICAL EDUCATION

WILLIAM J. NAPIER (head), VIKTOR CHRISTENSEN,  
BARBARA HARSANY, EUGENE NASH

The Department of Health, Physical Education, and Recreation offers every student an opportunity to participate in a program designed to aid in the development of physical efficiency, healthful living, social cooperation, and intelligent use of leisure time.

All students are required to complete successfully two semester hours in Health 59, Health Principles or Biology 157, 158, Human Physiology I and II or to pass a waiver examination in one of these courses; also to complete four ½-hour activity courses in four different semesters in the freshman and sophomore years, selected from courses numbered 7, 8, 55, 56 and including the following:

Swimming (required of all students who do not pass qualifying test)

Developmental activities (required of all men who do not pass the qualifying test.)

Individual activities

Team activities (including Medical Cadet Corps as a supplementary activity, for men who do not qualify. It is assumed that nearly all freshmen men will have had M.C.C. by the time they enter college.)

Students who have physical disabilities are assigned to a program of modified activities as prescribed by their physicians.

*Major Requirements:* 36 hours of which a minimum of 24 must be upper division. Required courses: 25, 46, 59, 83-84, 105, 143, 151, 171, 178, 189; 4 hours selected from any of the following, 141, 142, 161, or 162; 6-9 hours selected from the following: 7, 8, 55, 56, 27, 28, 87, 88.

*Cognate Requirements:* Biology 5, 6 or 58; Home Economics 99; and a minor in Elementary or Secondary Education, including Education 121. Recommended: General Education 63, Home Economics 166, Sociology 74.

Students desiring a large spread of teaching subjects may consult their adviser concerning a Bachelor of Science degree.

*Minor in Recreation:* 20 hours, of which a minimum of 9 must be in the upper division. Required courses: Physical Education 105, 143, 189. Related courses in Art, Music Education, and Applied Arts may apply at the discretion of the chairman.

*Minor in Health and Physical Education:* 20 hours, of which a minimum of 10 must be in the upper division. Required courses: Physical Education 25, 105, 143, 151, 171.

### ACTIVITY COURSES

#### 7, 8. FRESHMAN PHYSICAL EDUCATION (½, ½)

Required of all freshmen. A variety of activities taught for physical and recreational values. Separate sections for restricted developmental, elementary physical education, and Medical Cadet activities.

## Health and Physical Education

- 55, 56. **SOPHOMORE PHYSICAL EDUCATION** ( $\frac{1}{2}$ ,  $\frac{1}{2}$ )  
Same activities as in Physical Education 7, 8. One section is devoted to restricted activity and elementary physical education.
- 101, 102. **JUNIOR PHYSICAL EDUCATION** ( $\frac{1}{2}$ -1) ( $\frac{1}{2}$ -1)  
Intermediate skill in the same activities as in Physical Education 55, 56.
- 153, 154. **SENIOR PHYSICAL EDUCATION** ( $\frac{1}{2}$ -1) ( $\frac{1}{2}$ -1)  
Advanced skill in the same activities as in Physical Education 101, 102.

### THEORY COURSES

5. **ANATOMY AND PHYSIOLOGY** (5)  
(See Biology section for description of course.)
16. **MEDICAL CADET SCIENCE** (1)  
Study in organization of the medical department and basic fundamentals required of the medical soldier.
24. **INTRODUCTION TO NURSING AND COMMUNITY HEALTH** (2)  
A consideration of the role of the nurse as a member of the health team, both in the hospital and the community, emphasizing the importance of communication skills, health teaching, and the use of community health resources.
25. **INTRODUCTION TO HEALTH, PHYSICAL EDUCATION, AND RECREATION** (2)  
Orientation and evaluation of the student's aptitude and abilities as prospective teachers in health, physical education, and recreation.
- 37-38. **PROFESSIONAL TEAM ACTIVITIES I** (1-1)  
Required of all major and minor students. Techniques and basic skills in the following activities: flagball (men), field hockey (women), Soccer, basketball, track, volleyball and softball.
46. **PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL** (2)  
An interpretative study of the functions, purposes, and practices at the elementary school level. Curriculum for grades 1-8.  
Prerequisite: Physical Education 25, or permission of instructor.
59. **HEALTH PRINCIPLES** (2)  
A study of the principles governing community and personal health and how these principles may be applied successfully to daily living. Special emphasis is placed on denominational standards.
- 83-84. **PROFESSIONAL TEAM ACTIVITIES II** (1-1)  
Same activities as in 37-38 with emphasis on intermediate skill and techniques. Prerequisite HPE 37-38 or a proficiency test.
- 97-98. **ORGANIZATION AND OFFICIATING IN INTRAMURAL ACTIVITIES** (2-2)  
Theory and practices of officiating and directing under supervision the recreational and intramural program in various phases of the secondary and college programs. 1 hour lecture and 3 hours laboratory.
105. **PRINCIPLES AND HISTORY OF HEALTH AND PHYSICAL EDUCATION** (3)  
A study of the basic principles, history and contemporary significance of Health and Physical Education. Analysis of educational aims and objectives to determine the role of Health and Physical Education in the school curriculum.
132. **SAFETY AND PREVENTION OF INJURIES** (2)  
First aid safety measures, bandaging, and massage for the prevention of injuries. One hour lecture and three hours laboratory each week.
141. **TECHNIQUES IN FALL TEAM ACTIVITIES\*** (2)  
Advanced skills, techniques, and proficiency in teaching the following activities: flagball (men), field hockey (women), soccer, basketball. One hour lecture and three hour laboratory each week. Prerequisite: HPE 83 or a performance test.

## Health and Physical Education

142. **TECHNIQUES IN SPRING TEAM ACTIVITIES\*** (2)  
Advanced skills, techniques, and proficiency in teaching the following activities: volleyball, softball and track and field. One hour lecture and three hour laboratory. Prerequisites: HPE 84 or a performance test.
143. **TECHNIQUES IN AQUATICS** (2)  
The development of skills in swimming, with emphasis on teaching methods. One hour lecture and three hours laboratory each week.
151. **HEALTH EDUCATION\*** (2)  
A consideration of the teacher's function in the different phases of the school health program: environment, services, and instruction. Sources of material and methods of coordination between home, school, and community are stressed.
161. **TECHNIQUES IN CO-RECREATIONAL ACTIVITIES** (2)  
Advanced skills, techniques, and proficiency in teaching the following activities: skating, badminton, and archery. One hour lecture and three hours laboratory each week. Prerequisites: performance tests of course work.
162. **TECHNIQUES IN INDIVIDUAL ACTIVITIES** (2)  
Advanced skills, techniques and proficiency in teaching the following activities: golf, tennis and gymnastics. One hour lecture and three hours laboratory each week. Prerequisites: performance test or course work.
166. **TECHNIQUES OF THE ADAPTIVE PROGRAM** (2)  
Class organization, methods, procedure in developmental, preventive, and corrective measures in teaching the individual needs of students in the adaptive physical education class. This includes the physical examination, corrective exercise, follow-up, and evaluation. One hour lecture and three hours laboratory each week.
171. **ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION\*** (3)  
The organization and administration of the health and physical education program on the elementary and secondary levels. Prerequisites: Physical Education 75.
176. **KINESIOLOGY\*** (3)  
A study of the principles of human motion. Anatomical and mechanical analysis of everyday and physical education activities emphasizing normal physical development. Prerequisite: Biology 5.
178. **PHYSIOLOGY OF EXERCISE** (3)  
Physiological effect of muscular exercise as related to health and performance in physical activities. Prerequisites: Biology 5, 6.
183. **PROCEDURES AND METHODS IN HEALTH AND PHYSICAL EDUCATION** (2)  
A study of class organization, teaching methods and organization of materials in health and physical education. Prerequisite: Ed. 165.
189. **RECREATIONAL LEADERSHIP** (3)  
Principles and organization of community recreation with emphasis on recreational leadership. Attention to crafts, music, social programs and outdoor education in coordination with youth organizations and the Master Guide program.
199. **SPECIAL PROBLEMS IN HEALTH, PHYSICAL EDUCATION AND RECREATION** (1 to 4)  
Open only to students in the field of education upon permission of the instructor.



# Health and Physical Education

## CURRICULUM FOR HEALTH AND PHYSICAL EDUCATION MAJOR

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
Freshman English (English 1-2) . . . . .	3	3
General Psychology (5) . . . . .	3	
Introduction to Health, Physical Education and Recreation (25) . . . . .	2	
Nutrition (Home Economics 99) . . . . .	2	
Microbiology (Biology 8) . . . . .		3
General Education (63) . . . . .		4
Professional Activities . . . . .	1	1
Physical Education (55, 56) (3 sections) . . . . .	1½	1½
Speech . . . . .		3
Electives . . . . .	2	

16½ 17½

### SOPHOMORE YEAR

Religion . . . . .	2	2
History of Western Civilization (History 51, 52) . . . . .	3	3
General Education (57 or 58) . . . . .	3	3
Anatomy and Physiology (Biology 5) . . . . .	3	3
Health Principles (Health 59) . . . . .		2
Intermediate Language . . . . .	3	3
Physical Education in Elementary School (Education 46) . . . . .		2
Physical Education (55, 56) . . . . .	1½	¾
Literature . . . . .	2	2

17½ 17½

### JUNIOR YEAR

American History and Institutions (91, 92) . . . . .	3	3
Child Growth and Development (121) . . . . .	2	
The American Secondary School (165) . . . . .	3	
Philosophy and History of Education (Education 162) . . . . .		3
Language . . . . .		2
Upper division Major requirements & electives . . . . .	6	6
Applied Arts . . . . .		3
Electives . . . . .	3	

17 17

### SENIOR YEAR

Religion . . . . .	2	2
Audio-visual Materials in Instruction (Education 103) . . . . .	2	
Procedures and Materials in Health and Physical Education (Health and Physical Education 183) . . . . .		3
Observation and Directed Teaching in Secondary School (Education 190) . . . . .		4-6
Upper division Major Requirements and electives . . . . .	6	6
Electives . . . . .	4	3-5

17 17

## History

### HISTORY

W. J. AIREY (head), GRACE ALVAREZ, F. G. HOYT, W. M. LANDEEN,  
M. J. SORENSON

*History Major Requirements:* 32 hours, of which a minimum of 20 hours should be in the upper division (which may be reduced to 15 if the student completes another major or minor); 12 hours of cognate courses are to be selected in consultation with the head of the department. Required courses: History 51, 52 and 91, 92.

*History Minor Requirements:* 18 hours, of which a minimum of 6 must be in the upper division. Required courses: History 51, 52; 91 and/or 92, or equivalent. Only 3 hours of History 141, 142 may apply on a minor.

HONORS STUDIES IN HISTORY. Consult Studies for Honors for a description of the Honors Program at La Sierra College. Honors credit in History to the extent of 1 or 2 semester hours is available in each of these courses: 103-H, 104-H, 107-H, 108-H, 109-H, 111-H, 112-H, 125-H, 126-H, 127-H, 152-H, 161-H, 165-H, 166-H. 51, 52. HISTORY OF WESTERN CIVILIZATION (3, 3)

A study of the development of western civilization from antiquity to the present. Emphasis is placed on the political, economic, religious, social, and cultural institutions and ideas as they affected man's development.

55, 56. UNITED STATES CONSTITUTION (Constitutional History) (2, 2)  
(See Social Science section for description.)

91, 92. AMERICAN HISTORY AND INSTITUTIONS (3, 3)

The social, cultural, political, and constitutional development of the United States and local government from the period of colonization to the present. This course fulfills the state requirement in American History, Constitution, and California Constitution.

103, 104. HISTORY OF ANTIQUITY (2, 2)

The ancient kingdoms of the Near East, Egypt, Greece, and Rome, particularly as they relate to Bible history.

106. MEDIEVAL EUROPE (3)

A study of the developing institutions of early Western Europe from Constantine to the thirteenth century.

107, 108. BRITISH CIVILIZATION\* (2,2)

England and the Empire to the present.

109. ENGLISH CONSTITUTIONAL HISTORY (3)

Development of the English constitution and growth of English law to 1485.

111, 112. WESTERN AMERICA AND CALIFORNIA (2, 2)

The exploration and settlement of the American West, Statehood and progress in the western United States. The second semester emphasizes California History and government.

125, 126. EUROPE SINCE 1914\* (2, 2)

Europe from World War I to the present.

128. AMERICAN COLONIAL HISTORY (3)

A study of the institutions, life, thought, imperial control, and inter-colonial relations, leading to the movement for independence of the English colonies in America.

133, 134. LATIN AMERICAN HISTORY (3, 3)

The colonial and modern periods, emphasizing Brazil and Spanish America before and after 1810.

141, 142. HISTORY OF THE CHRISTIAN CHURCH (3, 3)

The Christian Church, the Papacy, and the Protestant Churches.

149, 150. SPANISH CIVILIZATION (2,2)

Emphasis on the history and culture of Spain with reference to its impact on civilization.

## History

151. **THE RENAISSANCE\*** (3)  
An intensive study of the economic, literary, artistic, and religious developments of the period.
152. **REFORMATION\*** (3)  
The Protestant Reformation to the Peace of Augsburg
155. **WESTERN EUROPE, 1555-1648\*** (3)  
The era of the Catholic reformation and the religious wars.
- 157, 158. **EUROPE, 1789 TO 1914** (3, 3)  
Europe in revolution and transition, 1789-1914.
161. **CIVIL WAR AND RECONSTRUCTION** (3)  
The causes for, campaigns of, and results of the Civil War.
- 163, 164. **AMERICAN DIPLOMATIC RELATIONS** (2, 2)  
Developments in American diplomatic history from the Revolution to the present, with emphasis on contemporary foreign affairs.
165. 166. **THE FAR EAST IN WORLD AFFAIRS\*** (2)  
(See Political Science section for description.)
- 171, 172. **HISTORY OF RUSSIA** (3, 3)  
The history of Russia with emphasis on the modern period.
191. **READINGS IN AMERICAN OR EUROPEAN HISTORY** (1 to 4)  
This course is restricted to History majors with a minimum three-point average in their major. Students do special study in fields specified by the instructor. The student is expected to meet the instructor for regular conferences each week.  
Prerequisites: Permission of the department.

### Graduate Courses:

201. **STUDIES IN 16TH CENTURY EUROPE** (3)  
Studies in the intellectual, religious, economic, and political thought of the 16th century.
278. **SEMINAR IN CIVIL WAR AND RECONSTRUCTION** (3)  
A graduate seminar in this significant period of American history.

## CURRICULUM FOR MAJOR IN HISPANIC-AMERICAN STUDIES

### FRESHMAN YEAR

	First Semester	Second Semester
Religion . . . . .	2	2
English 1-2 . . . . .	3	3
History 91, 92 . . . . .	3	3
Spanish 53-54 . . . . .	3	3
Applied Arts . . . . .	3	
General Education (57 or 58) . . . . .		3
Health and Physical Ed. 59 . . . . .	2	
Electives . . . . .		2
Physical Education . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

### SOPHOMORE YEAR

Religion . . . . .	2	2
General Education (63, 64) . . . . .	4	4
English 61, 62 . . . . .	3	3
Spanish 131 . . . . .		
Intensive Conversation and Vocabulary Building . . . . .	2	
Spanish 132 . . . . .		2
Advanced Grammar & Composition . . . . .		
History 51, 52 . . . . .	3	
History of Western Civilization . . . . .		
Electives . . . . .	2	5
Physical Education . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½



## History

JUNIOR YEAR			
Religion		2	2
Spanish 145, 146	Outline History of Spanish Literature	3	3
Sociology 47	Fundamentals of Sociology	3	
Sociology	Ethnology of Latin America		3
Economics	Geography of Latin America	2	2
Electives		3	3
History 115, 116	Latin America	3	3
		16	16
SENIOR YEAR			
Spanish 161, 162	Latin American Literature	3	3
History	Mexico and the Caribbean	3	
History	ABC Countries		3
History 149, 150	Spanish Civilization	2	2
Theology	Latin American Church History		3
Electives		9	5
		16	16

## CURRICULUM FOR HISTORY MAJOR

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Beginning Language	3	3
If a student has two units of foreign language among his college entrance credits and wishes to continue the same language in college, he may substitute intermediate language here or choose other electives.		
History of Western Civilization (History 51, 52)	3	3
General Psychology, Sociology, or Geography	3	
Health Principles (Health 59)		2
Electives	2	2
Freshman English (1-2)	3	3
Physical Education (7, 8)	$\frac{1}{2}$	$\frac{1}{2}$
		16 $\frac{1}{2}$

### SOPHOMORE

Intermediate Language	3	3
Religion	2	2
American History and Institutions (History 91, 92)	3	3
Literature or Speech	3	3
General Education (63, 64)	4	4
Physical Education (55, 56)	$\frac{1}{2}$	$\frac{1}{2}$
		15 $\frac{1}{2}$

### JUNIOR YEAR

Language	1	1
General Education (57 or 58)	3	
Religion	2	2
Applied Arts		3
Electives and Cognates	6	5
Major Concentration (Upper Division)	5	5
		17

### SENIOR YEAR

Major Concentration (Upper Division)	5	5
Electives	11	11
		16

Students planning to teach history should minor in education.

# Home Economics

## HOME ECONOMICS

MARY BYERS (head), BETTE BROWN, FONDA CHAFFEE,  
YVONNE SONNELAND

The achievement of better everyday living in better homes is the major goal of the Home Economics Department. The philosophy of the department is the strong belief that Home Economics has a contribution to make to education in all the basic relationships of life such as personal living, home and family life, social and civic relationship, and vocation and avocational guidance and preparation.

*Major Requirements:* 36 hours, of which a minimum of 18 must be in the upper division. A student may choose one of four areas of emphasis. All majors are required to take the core requirements: 7, 8, 51, 52, 65, 118, 166, 190, 193, 194. In addition to these requirements other classes are required to strengthen the area of concentration. The Foods and Nutrition curriculum requires 43 hours in order to meet the requirements of the American Dietetic Association.

**GENERAL HOME ECONOMICS:** This curriculum is designed to give training basic for homemaking and for those professions that require a broad understanding of the problems of family living. Required courses: Home Economics 7, 8, 51, 52, 65, 118, 166, 190, 193, 194. Cognate requirements: Art 62; General Education 63, 64; Biology 8; Sociology 74, 75; General Education 57.

**HOME ECONOMICS TEACHER EDUCATION:** Students choosing this curriculum are required to minor in Secondary Education. It provides training for prospective teachers of Home Economics in secondary schools. Required Courses: Home Economics 7, 8, 51, 52, 65, 99, 110, 118, 166, 183, 190, 193, 194, 198. Cognate requirements: General Education 63 (or Chemistry 1-2) and General Education 64 (or Biology 11 or 15), Biology 8; General Education 57; Art 62; Sociology 74, 75.

**FOODS AND NUTRITION:** (also Dietetics) Students in this curriculum may qualify for dietetic internships in hospitals and institutions approved by the American Dietetics Association, and prepare for positions as dietitians in hospitals, school cafeterias, or institutional dining rooms. In addition to major requirements here listed, the required courses listed by the American Dietetic Association should be considered. (See Special Curriculum section of this Bulletin.) Required courses: Home Economics 7, 8, 51, 52, 65, 99, 115, 118, 161, 163, 166, 176, 184, 186, 190, 193, 194. Cognate requirements: Chemistry 1-2 or 5-6; 71, 134; Biology 8 or 58, 157 or 158; Psychology 114; Business Administration 121; Art 62; Sociology 74, 75.

**CLOTHING, TEXTILES, AND RELATED ARTS:** In selecting this field of specialization, the student may prepare for such professional work as teaching, home extension service, purchasing, demonstration, tex-

## Home Economics

tile research, fabric designing, dressmaking, and many other lines of work in addition to the obvious preparation for homemaking. Required courses: Home Economics 7, 8, 51, 52, 59, 65, 110, 111-112, 118, 151, 152, 166, 190, 193, 194. Cognate requirements: General Education 63, 64; Biology 8; Art 62; General Education 57; Sociology 74, 75.

*Minor Requirement:* 18 hours, of which not less than 6 must be in the upper division. Required courses: Home Economics 7, 8, 51, 52.

### FOODS AND NUTRITION

#### 7. FUNDAMENTALS OF FOODS AND NUTRITION (3)

A study of foods and their nutritive values, basic cookery, and marketing. Two class periods with a three-hour laboratory each week.

#### 8. MEAL PLANNING AND SERVICE (3)

Instruction and laboratory practice in the planning, preparation, and serving of meals. Two class periods with a three-hour laboratory each week.

#### 99. HUMAN NUTRITION (2)

A study of food nutrients, digestion, metabolism and the nutritional requirements at the various age levels.

#### 113, 114. ADVANCED FOODS\* (3, 3)

A study of foods from scientific and economic aspects; their selection and preparation; special attention to the more difficult preparation techniques. Experience in food demonstration is included. Especially designed for the advanced major in Home Economics. Two class periods and one three-hour laboratory each week.

Prerequisites: Home Economics 7 and 8.

#### 115. EXPERIMENTAL FOODS (3)

A study of the effect of various methods of cooking upon the nutritive value, palatability, and economy of food products. Two class periods and one three-hour laboratory each week.

Prerequisite: Home Economics 7, 113 or 114.

#### 171. NUTRITION TOPICS (2)

A course designed to acquaint students with current scientific literature in the field of nutrition.

#### 184. NUTRITION IN DISEASE (3)

A study of the normal diet with modifications necessary to pathological conditions.

Prerequisite: Home Economics 99.

#### 186. ADVANCED NUTRITION AND DIETETICS (3)

An advanced course in the science of nutrition with emphasis on recent developments and their practical application in the feeding of individuals of all ages and economic levels. Laboratory animals are used to demonstrate the efforts of individual dietary deficiencies and their correction. Two class periods and one laboratory each week.

Prerequisites: Biology 8 or 58, Home Economics 99, Chemistry 134.



## CLOTHING AND TEXTILES

### 51. BASIC ELEMENTS OF CLOTHING CONSTRUCTION AND SELECTION (3)

This course covers the fundamentals of clothing construction techniques with particular emphasis on fitting. A foundation is established in art principles applicable to the selection of appropriate wardrobes for the individual and family members.

### 52. ADVANCED ELEMENTS OF CLOTHING CONSTRUCTION AND SELECTION (3)

As a continuation of Clothing 51, more difficult projects are encouraged. Speed techniques are emphasized, particularly in the construction of children's clothing. Adaptation of construction techniques for the needs in the home is introduced.

### 59. FLAT PATTERN DESIGNING (2)

By the use of a basic commercial pattern, the student learns to obtain the desired design in her own pattern. Original designs are encouraged, but are not required. Adaptations from magazines, newspapers, and similar sources of exclusive or original designs produce the required garment. One class and one laboratory period.

### 110. TEXTILES (2)

A study is made of natural fibers and today's modern fabrics; their characteristics, choice, and care for the family and the home. Open to majors and minors only.

### 111-112. TAILORING (2-2)

A study and application of professional tailoring techniques for the family wardrobe.

### 151. CLOTHING CONSTRUCTION FOR THE MATRON (2)

This course is planned to give the student experience in constructing garments for the more difficult figure of the matron in the family. The challenge of altering of patterns and fitting the mature figure, analyzing and developing wardrobe needs for the older woman is herein met.

### 152. REMODELING AND ALTERING THE WARDROBES (2)

The challenge is presented to remodel, alter, and utilize the wardrobes of family members, from the tiny tot to the mother and father, bringing into play the resourcefulness and creativity of the student.

## HOME MANAGEMENT

### 65. FAMILY HEALTH AND HOME NURSING\* (2)

A study of and experience in home nursing procedures, including care of the baby. Consideration is given to factors conducive to family and community health and safety.

### 118. DECORATING AND FURNISHING THE HOME (3)

A study of principles governing the selection and arrangement of furniture, fabrics, and accessories appropriate for various types of homes. Includes the application of color and design principles. Two class periods and one laboratory each week.

### 166. THE CHILD IN THE FAMILY (3)

The Child in the Family is a study of the child through adolescence with emphasis on the pre-school child in the home. This course covers the principles involved in the care, understanding and guidance of the child. Includes observation of and participation with children in a child-development laboratory.

## Home Economics

190. CONSUMER BUYING FOR THE HOME AND FAMILY (2)  
An analysis of problems as well as aids in purchasing from the point of view of the home, the family, and the individual.
193. MANAGEMENT IN FAMILY LIVING (2)  
The study of the fundamental principles of a Christian home, and an opportunity to learn how to select, arrange, care for, and use household equipment with the skill necessary to teaching others by demonstrating the proper use of such equipment. Two lectures and one laboratory.
194. HOME MANAGEMENT RESIDENCY LABORATORY (2)  
An application of the principles of home management. The student has an opportunity to live in the Home Economics Cottage under guidance of an instructor for six weeks. Two-hour weekly conferences with the instructor will be arranged.  
Prerequisites: Home Economics 7, 8 and 193 (allowed as concurrent registration).

### INSTITUTIONAL MANAGEMENT

11. INTRODUCTORY BAKING (3)  
An introductory course in fundamental principles of healthful institution and commercial baking, both theoretical and practical. One lecture and two laboratory periods each week.
161. INSTITUTIONAL MANAGEMENT\* (3)  
The study of administrative duties and problems in institutional work, including organization, equipment, personnel, costs, marketing, and service.
163. INSTITUTIONAL PURCHASING (3)  
A course dealing with problems of marketing and purchasing foods and supplies in institution quantities. Factors that influence cost and availability are stressed. Three Hours
174. INSTITUTION LAYOUT AND EQUIPMENT\*\* (3)  
A course dealing with plant layout and equipment for foods services in school lunch rooms, cafeterias, and hospitals. Purchasing and flow availability are stressed.
176. QUANTITY COOKERY\* (3)  
The study of preparation and service of food in large quantity. Laboratory work is done in the college cafeteria and dining room.

### HOME ECONOMICS EDUCATION

183. PROCEDURES AND MATERIALS IN HOME ECONOMICS (2)  
A study of materials and techniques in teaching Home Economics on the secondary level.  
Prerequisite: Education 165.
198. PRINCIPLES OF DEMONSTRATION (2)  
The selection, organization, and presentation of material for professional Home Economics demonstrations.  
Prerequisite: Home Economics 183.
199. PROJECTS IN HOME ECONOMICS (1 to 2)  
Advanced work in special problems for majors. Admission only upon permission of the instructor. Offered either semester.

## CURRICULUM FOR B.S. IN HOME ECONOMICS

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2)	2	2
Freshman English (English 1-2)	3	3
Fundamentals of Foods and Nutrition (Home Economics 7)	3	
Meal Planning and Service (Home Economics 8)		3
Microbiology (Biology 8)		4
General Education (57)	3	
Speech		3
General Psychology (5)	3	
Electives	2	
Physical Education (7, 8)	$\frac{1}{2}$	$\frac{1}{2}$
	16½	15½

### SOPHOMORE YEAR

Religion	2	2
General Education (Physics 63) or Chemistry 1-2 (or 5-6) and General Education (Biology 64) or Biology 11 or 15	3-4	3-4
History		3
Family Health and Home Nursing (Home Economics 65)		2
Clothing Construction and Selection (Home Economics 51, 52)	3	3
Electives	2	
Art in the Home (Art 62)	2	
Education for Marriage (Sociology 74)	2	
Marriage and the Family (Sociology 75)		2
Physical Education (55, 56)	$\frac{1}{2}$	$\frac{1}{2}$
	15½	16½

### JUNIOR YEAR

Religion	2	2
Literature	3	
Management in Family Living (Home Economics 193)	2	
Home Management Residence (Home Economics 194)		2
History	3	3
The Child in the Family (Home Economics 166)		3
Electives	6	6
	16	16

### SENIOR YEAR

Consumer Buying (Home Economics 190)		2
Decorating and Furnishing the Home (Home Economics 118)		2
*Electives in Home Economics	7	4
Electives	9	8
	16	16

\*In consultation with the head of the department the student will choose Home Economics electives to meet the specific requirements of the field elected for major emphasis: General Home Economics, Home Economics Teacher Education, Foods and Nutrition, and Clothing and Textiles.



## Journalism

### JOURNALISM

C. A. OLIPHANT

*Minor Requirements:* Eighteen hours, eight of which must be in upper division. To qualify for a minor in this field the student must have a broad cultural background in general college studies, including among his prescribed and elective courses, history, political science, sociology, economics, business, typewriting, and one full year of American and English literature. A mastery of English fundamentals is expected of students taking journalism courses. A knowledge of printing will also be helpful, and printing courses taken for applied arts credit or in a trade school (not for B.A. credit) are cognate requirements for a journalism minor, but may be waived by an adequate apprenticeship in the type room of a good print shop.

**55-56. NEWS WRITING (2-2)**

Study of the fundamental techniques of news writing, feature writing and interviewing. Laboratory exercises in preparation of news copy. Course includes field trips and workshops.

**105-106. MAGAZINE WRITING (2-2)**

Writing non-fiction articles for general magazines, specialized publications and newspaper feature sections. Style, structure and organization, research methods and marketing procedures.

**107. REPORTING PUBLIC AFFAIRS\* (2)**

Reporting speeches, public meetings, community affairs, governmental functions and administrative procedures at the city and county level. Prerequisite: Journalism 55-56.

**108. EDITING\* (2)**

Newspaper and magazine editing. Study of news gathering agencies. Evaluation of news and study of news flow. Principles and aesthetics of newspaper and magazine styles and formats. Laboratory experience in makeup and layout of newspapers and magazines. Prerequisite: Journalism 55-56.

**120. FUNDAMENTALS OF PUBLIC RELATIONS (2)**

Emphasis upon the use of mass media in public relations communication. Problems of community relations, analysis of institutional and industrial public relations programs. Church and educational public relations. Definition of publics, attitude measurement and evaluation of results. Prerequisite: Journalism 55-56.

**125, 126. COPY EDITING\* (1, 1)**

Editing copy for publication, rewriting, writing headlines, proof reading. Laboratory includes regular copy desk work on *The Criterion*.

**130. HISTORY AND ETHICS OF JOURNALISM (2)**

History of journalism from 1620 with emphasis on the development of American newspapers and magazines. Growth of the party press, the "penny newspaper," rise of great journalists and trends in modern journalism.

**149. MASS COMMUNICATION AND PROPAGANDA\* (2)**

Study of the press, radio and television as influences in democracies and totalitarian countries. Case studies in propaganda.

**151. SEMINAR IN JOURNALISM AND PUBLIC RELATIONS\* (1 OR 2)**

Advanced students in the department are afforded opportunity to engage in individual research, direct experience in journalism or in a public relations office. All work directed by the instructor.

## LIBRARY SCIENCE

D. G. HILTS

### 61, 62. INTRODUCTION TO LIBRARY SCIENCE (4)

Designed to help the student in using library facilities and in determining his aptitude for the profession of librarianship. Lessons and projects are prepared on the evolution of the book, the history of libraries, classification, cataloging, bibliography, use of periodicals and reference materials, and the principles of book selection. The course has general value and is open to any college student.

## MATHEMATICS

H. W. BESEL (head), L. H. CUSHMAN, D. E. LEE, J. W. RIGGS, JR.

The objectives of this department are: for the liberal arts student to know the place of mathematics in modern culture, for the science student to acquire the basic tools, for the major to become prepared for research or graduate study, and for the prospective teacher to know the necessary content and appreciation of mathematics.

*Major Requirements:* Bachelor of Arts degree required courses: Mathematics 51, 52 or 5, 6, and 61; 71, 72; 141, 142; 151; 161, and electives for a total of 35 hours or more of which 21 must be upper division.

*Required Cognates:* Physics 61, 62, 63, 64 (51, 52 may be substituted with permission of department chairman); Chemistry 7-8 or 5-6; and Language (French, German, or Russian recommended).

*Bachelor of Science* degree requires a total of 45 semester hours.

*Minor Requirements:* Mathematics 51, 52 or 5, 6, and 61; 71, 72 plus electives for a total of 18 semester hours.

*Science and Mathematics Major:* For Division Major (Science and Mathematics Secondary Teaching Major) see under Professional and Pre-Professional Programs.

### A, B. ELEMENTARY MATHEMATICS (2, 2)

A course for those who lack algebra, geometry, or both on the secondary level. This is an integrated presentation of the basic concepts of algebra and geometry. A student lacking either subject should take the first semester; if both are lacking, two semesters are required. (Not counted toward the Bachelor's degree.)

### 5, 6. INTRODUCTORY MATHEMATICS (3, 3)

A course in introductory college algebra and trigonometry for those who plan to take Physics 51 the second year. Students from this course may enter Mathematics 71 the second year if they take Mathematics 61 concurrently with 71. Mathematics 5 is college algebra, and Mathematics 6 is trigonometry.

### 51, 52. COLLEGE MATHEMATICS (3, 3)

Mathematics 51 covers trigonometry and logarithms. Mathematics 52 covers advanced algebra and analytic geometry. Prerequisite: Three units of high school mathematics excluding general mathematics or by permission of the instructor. Credit may not be earned in both 6 and 51.

## Mathematics

61. PLANE ANALYTIC GEOMETRY (2)  
A study of planes and curves in two dimensions using both cartesian and polar coordinates.  
Prerequisites: Mathematics 5, 6 or advanced algebra and trigonometry in high school.
62. SOLID ANALYTIC GEOMETRY\* (3)  
A study of the surfaces and curves in three dimensions, coordinate systems, vectors.  
Prerequisites: Mathematics 51, 52; or 5, 6, and 61.
- 71, 72. CALCULUS (3, 3)  
A unified course in differential and integral calculus.  
Prerequisites: Mathematics 51, 52 (if 5, 6 were taken, then 61 must be taken concurrently with 71) or equivalent.
81. AUTOMATIC DIGITAL COMPUTERS\* (3)  
Organization of a digital machine. Numerical aspects with idealized descriptions of electronic elements in the machine. Practice in coding simple problems.
- 101, 102. BASIC CONCEPTS OF ARITHMETIC (2, 2)  
A content course in mathematics designed for teachers of the elementary grades. May not be taken for credit on a mathematics major or science and mathematics major.
- 121, 122. NUMERICAL MATHEMATICAL ANALYSIS (2, 2)  
Computation with numbers of fixed precision, error analysis, numerical approximations to solutions of equations, approximations with polynomials, numerical differentiation and integration.  
Prerequisite: Mathematics 71.
- 131, 132. PROBABILITY AND STATISTICS (2, 2)  
Basic laws of probability, discrete and continuous variable problems, laws of large numbers, statistical models.  
Prerequisite: Mathematics 71.
- 141, 142. DIFFERENTIAL EQUATIONS (2, 2)  
Methods of solutions of ordinary differential equations with applications to Physics, Chemistry, Geometry, and Engineering. Numerical solutions.  
Prerequisites: Mathematics 72.
151. ADVANCED CALCULUS I\* (3)  
Solid analytical geometry by vector analysis, partial differentiation, multiple integration, infinite series and expansions, Fourier series.  
Prerequisite: Mathematics 72.
152. ADVANCED CALCULUS II\* (3)  
A theoretical course primarily for Mathematics majors. Number theory, real variable theory, and other basic concepts of analysis. Prerequisite: Mathematics 72.
161. MODERN ALGEBRA\* (3)  
Numbers, Fields, Groups, Classes, Rings. Develops the logical bases for the algebras. Includes some Vector and Matrix algebra.  
Prerequisite: Mathematics 71 or permission of instructor.
162. LINEAR ALGEBRA\* (3)  
Transformations and Invariants, Matrices, Vectors, Systems of linear equations, Theory of equations.  
Prerequisite: Mathematics 71 or permission of instructor.



- 171, 172. THEORETICAL MECHANICS (3, 3)  
(See Physics Section.)
- 191, 192. INTRODUCTION TO QUANTUM MECHANICS (2, 2)  
(See Physics Section.)
199. PROJECTS AND TOPICS IN MATHEMATICS (1 to 6)  
Selected topics and projects in pure and applied mathematics. May be repeated for credit, for a limited number of hours with permission of the instructor.  
Prerequisites: Upper division mathematics major or minor status.

## MUSIC

H. B. HANNUM (head), PERRY BEACH, FRANCES BROWN,  
MOSES CHALMERS, H. A. CRAW, EUGENE NASH,  
ALFRED WALTERS

The objectives of this department are to give students an understanding and appreciation of the musical heritage of man; to aid the student in acquiring knowledge, techniques, and skills necessary for performers, composers, teachers, singing evangelists, and church musicians; to provide cultural and artistic activities for leisure time, such as group music experiences and intelligent listening to music.

Specific study programs will be arranged in consultation with the staff so that students may concentrate in performance, composition, church music, or music education.

A maximum of 50 hours in music may be applied toward the Bachelor of Arts degree.

*Major Requirements:* 40 hours, of which a minimum of 24 must be in the upper division. Required courses: Music 5, 6 Theory I; 51, 52 Theory II; 107, 108 Counterpoint; 111, 112 History of Music; either 197 or 198; 8 hours in *one* field of applied music, including 2 hours upper division. Electives from courses 21, 22; 55, 56; 101; 113, 114; 115, 116; 121, 122, 123, 125, 126; 132; 155, 156, 183, 184, 190, 197, 198.

Music majors are expected to belong to a college music organization each semester.

*Minor Requirements:* 18 hours, of which a minimum of 6 must be in the upper division. Required courses: Music 5, 6 Theory I; 111, 112 History of Music. Six hours are to be selected from the courses listed above under major requirements.

**HONORS STUDIES IN MUSIC.** Consult this Bulletin, "Studies for Honors," for a description of the Honors program at La Sierra College. Honors credit in Music to the extent of 1 or 2 semester hours is available in each of these courses: 107-H, 108-H, 111-H, 112-H, 115-H, 116-H, 123-H, 125-H, 126-H, 197-H, 198-H.

## BACHELOR OF MUSIC EDUCATION

The curriculum leading to the degree Bachelor of Music Education is offered for those interested in teaching music. This curriculum gives a student concentration (16 hours) in one field of applied music with supplementary instruction in the remaining fields of applied music. Emphasis is given to the technique and practice of teaching. Forty hours are required in the upper division.

## Music

### *Required:*

1. General Education, (37-44 hours); Religion, 12-14 hours (4 hours upper division); English, 9 hours, including 3 hours literature; History of Western Civilization, 3-6 hours; General Education 63, 64, 8 hours; General Psychology, 3 hours; Health and Physical Education, 2-4 hours.
2. Musicianship (32 hours): Selected from Music 5, 6; 51, 52; 101, 107, 108; 111, 112; 115, 116; 123; 125, 126; 132.
3. The choice of either of the following:
  - A. Applied Music (30 hours): 16 hours in voice or a single instrument, leading to a senior recital demonstrating proficiency in this field of concentration; 14 hours in other performing fields, in each of which the student must show satisfactory accomplishment. The level of achievement in the principal field of performance is represented by Music 121, 122 (Third Year); the level in the other fields of performance is represented by Music 91-96. (A maximum of 4-6 hours of organizations and/or ensemble credit is allowed on this 30 hours.)
  - B. Applied Music (18 hours): 16 hours in organ or voice, including courses 121, 122, 190. Organ majors will take 2 hours of voice, and voice majors will take 2 hours of piano. Church Music (14 hours): Courses 113, 114; 183, 184. Choir or ensemble, 4 hours.
4. Education (22 hours): Music 118, 181, and *one* of the following: 189, 191, 193, 195. Education courses to complete the 22 hours.

All courses in the department except 15, 16 and 1 may be counted toward the Bachelor of Music Education degree.

### REGULATIONS ON APPLIED MUSIC

Credit in applied music in excess of four hours must be supplemented by an equal number of hours in Theory or Music History.

The maximum amount of credit in applied music allowed on the Bachelor of Arts degree for non-music majors is 8 hours; for music majors taking the Bachelor of Arts degree, 16 hours.

Students pursuing the Bachelor of Music Education degree must take two lessons a week in their major field of applied music.

Students in applied music must secure the approval of their instructor before performing in public.

Transfer students majoring in music must take a minimum of 4 hours in applied music (major field) at La Sierra College.

## APPLIED MUSIC

Private half-hour lessons are given in piano, organ, voice, violin, and orchestral and band instruments. Students may take applied music with or without credits.

College credit in applied music is granted on the following basis:

1. One or two half-hour lessons a week.

(Students desiring more than one hour of credit per semester must take two half-hour lessons a week. Students taking one half-hour lesson a week are expected to take a minimum of 15 lessons per semester; and those taking two half-hour lessons a week are expected to take a minimum of 30 lessons per semester.)

2. Three to five hours of practice per week for each hour of credit.
3. A passing grade in a satisfactory semester examination.
4. Participation in public recitals as requested by the instructor.

### 15, 16. PREPARATORY APPLIED MUSIC (1 to 2, 1 to 2)

Credit in this course may not be applied on a major or minor in music or on the applied music requirement of the Bachelor of Music Education degree. It may apply toward college elective requirements.

### 21, 22. APPLIED MUSIC (First Year) (1 to 3, 1 to 3)

### 55, 56. APPLIED MUSIC (Second Year) (1 to 3, 1 to 3)

### 91, 92. STRING INSTRUMENT CLASS (1, 1)

A study of the string instruments of the orchestra to give students an understanding of the basic elementary technique of each.

### 93, 94. WOODWIND INSTRUMENT CLASS (1, 1)

An introductory study of the orchestral woodwind instruments.

### 95, 96. BRASS INSTRUMENT AND PERCUSSION CLASS (1, 1)

An introductory study of the orchestral brass and percussion instruments.

### 121, 122. APPLIED MUSIC (Third Year) (1 to 2, 1 to 2)

### 155, 156. APPLIED MUSIC (Fourth Year) (1 to 2, 1 to 2)

### 190. SENIOR RECITAL (1)

The presentation of a creditable public recital approved by the music faculty.

## THEORY

### 1. ELEMENTS OF MUSIC (2)

The study of the rudiments of music, dictation, sight-singing and ear-training. Primarily for students without any previous music training. This course may count only as a college elective and may not be counted on a major or a minor or toward the Bachelor of Music Education requirements.



## Music

### 5, 6. THEORY I (3, 3)

A thorough study of the fundamentals of musicianship, including four-voice part writing of triads, diatonic modulation, non-harmonic tones. Emphasis on correlated ear-training and keyboard harmony. Four class periods a week.

Prerequisite: Music 1 or its equivalent.

### 51, 52. THEORY II (3, 3)

A continuation of the study of harmony, including four-voice part writing of triads, seventh chords, altered chords, chromatic modulation. Continued emphasis is given to correlated ear-training and keyboard harmony. Four class periods a week.

Prerequisite: Music 5, 6.

### 101. MUSIC FORM (3)

An analytical course including a study of the smaller forms through the sonata and rondo forms and the contrapuntal forms.

Prerequisite: Music 5, 6.

### 107, 108. COUNTERPOINT (3, 3)

A study of the polyphonic styles of the 16th and 18th centuries, with practice in writing two- and three-part motets and inventions.

Prerequisite: Music 5, 6.

### 115, 116. MUSIC COMPOSITION I (2, 2)

Practice in writing original compositions in the smaller forms. Emphasis is placed on 20th century compositional techniques.

Prerequisite: Music 51, 52.

### 125, 126. MUSIC COMPOSITION II (2, 2)

Advanced composition in the larger forms, with opportunity for orchestrating one's composition. Music 123 should be taken previously or concurrently.

Prerequisites: Music 51, 52, 107, 108, 115, 116.

### 123. ORCHESTRATION (2)

A study of the instruments of the orchestra; arranging music for the orchestra.

Prerequisites: Music 51, 52.

### *Graduate courses:*

### 201, 202. MUSIC COMPOSITION III (2, 2)

Advanced work in original composition in the various forms.

Prerequisite: Music 125, 126.

## MUSIC HISTORY AND LITERATURE

### 111, 112. HISTORY OF MUSIC (3, 3)

A chronological study of the various periods in the development of music from the earliest times to the present.

Prerequisite: Music 1 or equivalent.

### 113. CHURCH MUSIC (3)

A study of music and its relation to the church from the time of Hebrew music to the present. Hebrew music, Gregorian chant, Protestant music, Modern trends.

### 114. HYMNOLOGY (3)

A study of chorales, psalm tunes, and the various kinds of hymns and tunes in the modern church hymnal. A careful study of the Church Hymnal.

## Music

181. **CHORAL LITERATURE (2)**  
A survey of the significant literature for the choir, with emphasis on music suitable for use in church.
184. **ORGAN LITERATURE (2)**  
A survey of the music written for the organ, with emphasis on music suitable for use in church and sacred concerts.
197. **AESTHETICS (3)**  
A study of the principles of aesthetics and the aesthetic experience involved in the creation and understanding of the various arts.
198. **INTRODUCTION TO MUSICOLOGY (2)**  
An introduction to various fields of music knowledge and research to prepare a student for graduate study in music.  
Prerequisites: Music 51, 52; 58; and the approval of the instructor.

### *Graduate courses:*

213. **MUSIC OF THE CLASSIC ERA (2)**  
A study of the period of Haydn and Mozart and their contemporaries.  
Prerequisite: Music 111, 112.
- 273, 274. **SEMINAR IN CHURCH MUSIC (2, 2)**  
Studies in various phases of the music of the church.  
Prerequisite: Music 113, 114.

## CONDUCTING

60. **ELEMENTARY CONDUCTING (2)**  
Fundamental rules and practice in conducting congregational singing. The practical use of music in the church and in evangelism. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)  
Prerequisite: Music 1 or equivalent.
132. **CONDUCTING TECHNIQUE (2)**  
The study of the principles of conducting, score reading, and methods in rehearsals.  
Prerequisite: Music 51, 52.

## MUSIC EDUCATION

118. **MUSIC IN THE ELEMENTARY SCHOOL (2)**  
May be counted only toward a Bachelor of Music Education degree, or as a college elective.  
Prerequisite: Music 1 or equivalent.
183. **PROCEDURES AND MATERIALS IN SECONDARY MUSIC EDUCATION (2)**  
A study of the various music activities carried on in the secondary schools, including curriculum, organization, and administration of choral, instrumental, and general music classes.  
Prerequisite: Music 51, 52.
189. **WIND INSTRUMENT MATERIALS AND TECHNIQUES (2)**  
A survey of the best materials and methods for teaching the wind instruments. (May be counted only toward a Bachelor of Music Education degree, or a college elective.)
191. **VOICE MATERIALS AND TECHNIQUES (2)**  
A study of the best materials and methods of teaching voice and directing choral organizations. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

## Music

### 193. PIANO MATERIALS AND TECHNIQUES (2)

Piano teaching problems and methods. (May be counted only toward a Bachelor of Music Education degree or as a college elective.)

### 195. VIOLIN MATERIALS AND TECHNIQUES (2)

Violin teaching and the organization of instrumental groups. (May be counted only toward a Bachelor of Music Education degree or as a college elective.)

## GENERAL EDUCATION

### 58. INTRODUCTION TO MUSIC (3)

A basic general education course in understanding music and elementary principles of aesthetics underlying all the arts. Given each semester.

#### *Graduate courses:*

### 231. THE PEDAGOGY OF THEORY (2)

A study of texts and methods in the teaching of music theory.  
Prerequisites: Music 51, 52; 107, 108.

## ORGANIZATIONS

An organization may be repeated once only for credit. Not more than a total of six hours of credit in organizations may be applied toward a Bachelor of Arts degree.

### 71, 72. THE CONCERT BAND (1, 1)

Membership is open to all students of band instruments. A limited number of college-owned instruments can be rented each semester. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

### 73, 74. THE COLLEGE CHOIR (1, 1)

The College choral organizations are open to singers who qualify for membership. Representative works of the masters of choral composition, both sacred and secular, are studied and performed. (May be counted only toward a Bachelor of Music Education degree, or as a college elective.)

### 75, 76. THE CONCERT ORCHESTRA (1, 1)

Membership is open to all students who qualify after a conference with the director. (May be counted only toward a Bachelor of Music Education degree or as a college elective.)

### 77, 78. ENSEMBLE MUSIC (1, 1)

Instrumental and vocal groups, such as quartets, trios, etc., under the direction of the music staff. (May be counted only toward a Bachelor of Music Education degree or as a college elective.)

### 177, 178. ADVANCED ENSEMBLE MUSIC (1, 1)

Advanced work in vocal and instrumental ensembles, under the direction of the music staff. (May be counted only toward a Bachelor of Music Education degree or as a college elective.)



## CURRICULUM FOR MUSIC MAJOR

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Theory I (Music 5, 6) . . . . .	3	3
Applied Music (Music 21, 22) . . . . .	1	1
Freshman English (English 1-2) . . . . .	3	3
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
History of Western Civilization (History 51, 52) . . . . .	3	3
Beginning Language . . . . .	3	3
(Not required of those who present two units of college entrance in the chosen language.)		
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
Music Organization . . . . .	1	1
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

### SOPHOMORE YEAR

Theory II (Music 51, 52) . . . . .	3	3
Applied Music (Music 55, 56) . . . . .	1	1
General Psychology (5) . . . . .	3	
Introduction to Visual Arts (57) . . . . .		3
Religion . . . . .	2	2
General Education (63, 64) . . . . .	4	4
Intermediate Language . . . . .	3	3
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
Music Organization . . . . .	NC	NC
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

### JUNIOR YEAR

Applied Music (Music 121, 122) . . . . .	1	1
Counterpoint (Music 107, 108) . . . . .	3	3
Religion . . . . .	2	2
Literature . . . . .		3
American History and Institutions (History 91, 92) . . . . .	3	3
Speech . . . . .	3	
Language . . . . .	2	
Health Principles (Health 59) . . . . .		2
Applied Arts . . . . .	3	
Electives . . . . .		2
Music Organization . . . . .	NC	NC
	17	16

### SENIOR YEAR

Applied Music (Music 121, 122) . . . . .	1	1
History of Music (Music 111, 112) . . . . .	3	3
Music Electives . . . . .	6	6
Electives . . . . .	6	6
Music Organization . . . . .	NC	NC
	16	16

## CURRICULUM FOR THE BACHELOR OF MUSIC EDUCATION

(Suggestive only)

FRESHMAN YEAR		
	First Semester	Second Semester
Theory 1 (Music 5, 6)	3	3
Applied Music (Music 21, 22)	2	2
Freshman English (English 1-2)	3	3
Life and Teachings of Jesus (Religion 1, 2)	2	2
History of Western Civilization (History 51, 52)	3	3
Music Organization	1	1
String Instrument Class (Music 91, 92)	1	1
Voice	1	1
Physical Education (7, 8)	$\frac{1}{2}$	$\frac{1}{2}$
SOPHOMORE YEAR		
	16 $\frac{1}{2}$	16 $\frac{1}{2}$
Theory II (Music 51, 52)	3	3
Applied Music (Music 55, 56)	2	2
Religion	2	2
General Education (63, 64)	4	4
General Psychology (5)	3	
Literature		3
Piano	1	1
Music Organization	NC	NC
Physical Education (55, 56)	$\frac{1}{2}$	$\frac{1}{2}$
JUNIOR YEAR		
	15 $\frac{1}{2}$	15 $\frac{1}{2}$
Applied Music (Music 121, 122)	2	2
Counterpoint (Music 107, 108)	3	3
Religion	2	2
Education	3	4
Music Form (Music 101)	3	
Conducting Technique (Music 132)		2
Health Principles (Health 59)	2	
Music in the Elementary School (Music 118)		2
Band Instrument and Percussion Class (Music 95, 96)	1	1
Music Organization	1	1
SENIOR YEAR		
	17	17
Applied Music	2	2
Literature	2	2
Music Composition (Music 115)	2	
Orchestration (Music 123)	2	
History of Music (Music 111, 112)	3	3
Education	4	4
Procedures and Materials in Secondary Music Education (Music 183)	2	
Materials and Techniques (Music 189 or 191 or 193 or 195)		2
Woodwind Instrument Class (Music 93, 94)	1	1
Music Organization	NC	NC
Electives		4
	16	16

Note: It is recommended that students in this curriculum meet the state requirements in American History, U. S. Constitution or government, California government, by passing a waiver examination or by taking the courses in summer sessions or by extension.

## PHYSICS

J. W. RIGGS, JR. (head), H. W. BESEL, L. H. CUSHMAN, D. E. LEE

Fostering an intellectual curiosity which will extend through the students' post-college years, imparting an attribute of open-minded consideration of controversial questions, and building an appreciation of the part played by physics in everyday living and in international affairs constitute the general objectives of the department. For the physics major there are the additional objectives of adequate preparation for professional training or for graduate work in physics, adequate factual preparation for secondary teaching in physics, preparation for employment under the Civil Service classification of junior scientist physicist, or similar grade in private industry.

*Major Requirements:* Bachelor of Arts Degree required courses: Physics 61, 62, 63, 64; 151, 152; 171; 181; 177-AN (2 hours); 199 (hour); and electives for a total of 32 or more hours, 22 of which must be upper division.

Bachelor of Science degree required courses: Same as for Bachelor of Arts degree plus Physics 172; 182; plus electives in physics for a total of 44 or more hours. This degree is designed primarily for those students interested in attending a graduate school. Changes in course requirements may be made upon the guidance of the department head.

Required cognates: Mathematics 51, 52 or 5, 6 and 61; 71, 72; 141, 142 for the B.A. degree and 151 for the B.S. degree. Language, Russian, German or French recommended. Chemistry: 8 to 10 semester hours.

*Minor Requirements:* Physics 61, 62, 63, 64; 151, 152; 177-AN (2 hours); plus electives for a total of 18 semester hours.

*Science and Mathematics Major:* For Division Major (Science and Mathematics Secondary Teaching Major) see under Professional and Pre-Professional Programs.

Honors Studies in Physics: Honors credit in physics to the extent of 2 semester hours in Projects and Topics is available as 199-H.

### 51, 52. COLLEGE PHYSICS (4, 4)

Mechanics, heat, sound, electricity, optics, and modern physics. Three hours of lecture and 3 hours of laboratory each week. Prerequisites: Mathematics 5 and 6, or equivalent in high school, or mathematics 1 may be taken concurrently. This course is primarily for the non-physical science and non-engineering major. This course may take the place of 61, 62, 63, 64, for the physics major or minor with permission of the head of the department.

Text: Miller: *College Physics*.

## Physics

### 61, 62. MECHANICS, HEAT, AND SOUND (2-3)

Vectors, particle dynamics, conservation of energy and momentum, rotational dynamics, mechanics, waves, motion, sound, heat, and thermodynamics. Two lectures per week and a laboratory on alternate weeks.

Prerequisite: High school algebra (second year) and trigonometry or mathematics 5,6; or Mathematics 51 taken concurrently.

### 63-64. ELECTRICITY, MAGNETISM, OPTICS, AND ATOMIC PHYSICS (2-3)

Charge and matter, electric field, Gauss's law, Ampere's law, and Faraday's law. Reflection and refraction, interference and diffraction, photoelectric effect, lines spectra, the hydrogen atom, matter waves. Two lectures per week and a laboratory on alternate weeks.

Prerequisite: Mathematics 71 completed or taken concurrently.

### 103. INTRODUCTION TO ASTRONOMY\* (3)

A study of the individual planets, the sun, the solar system, the milky way, and the universe as a whole as revealed by astronomical observations. A course of interest to teachers, ministerial students, and others. Cannot be taken for credit on a physics major. Two class periods and one laboratory per week.

Prerequisite: General Education (63) or Physics 51, 52, or Physics 61, 62, 63, 64.

Text: Baker: *Astronomy*

### 131, 132. OPTICS (2, 2)

Refraction and reflection; wave motion; diffraction and interference polarization. Physics 177-O is an optics laboratory designed to accompany this course.

Prerequisites: Physics 64; Mathematics 71, 72 or may be taken concurrently.

Text: Rossi: *Optics*.

### 141, 142. HEAT AND THERMODYNAMICS (2, 2)

Thermodynamic variables and the state of a system; laws of thermodynamics; thermodynamic relationships; kinetic theory; classical statistical mechanics; quantum statistics. Physics 177-HT is a heat and thermodynamics laboratory designed to accompany this course.

Prerequisites: Physics 62; Mathematics 71, 72 or may be taken concurrently.

Text: Constant: *Theoretical Physics*, Vol. II, Part 1.

### 151, 152. ATOMIC AND NUCLEAR PHYSICS (3, 3)

Charged atomic particles; nuclear atom; natural radioactivity; x-rays; waves and particles; hydrogen atom; disintegration of nuclei; optical spectra and electron distribution; x-ray spectra; nuclear processes, nuclear fission; fundamental particles; new elements and isotopes; particle accelerators. Physics 177-AN is an atomic and nuclear laboratory designed to accompany this course.

Prerequisites: Physics 64; Mathematics 71, 72 or may be taken concurrently.

Text: Semat: *Introduction to Atomic and Nuclear Physics*.

### 161, 162. ELECTRONICS (2, 2)

Analysis of electrical and electronic circuits; electron tubes; transistors; audio and radio frequency oscillators and amplifiers; microwaves. Physics 177-E is an electronic laboratory designed to accompany this course.

Prerequisites: Physics 63, Mathematics 71, 72 or may be taken concurrently.

Text: Albert: *Electronics and Electronic Devices*.



## 171, 172. THEORETICAL MECHANICS (3, 3)

Differential equations of motion; moving axes; Poisson's and Laplace's equations; motion of a particle when the applied force is a function of a constant, time, position, or velocity; non-linear oscillator; perturbations and successive approximations; conservative system of forces; scattering of alpha particles; degrees of freedom and constraints; momentum and torque of a group of particles; moments and products of inertia; principal axes; Euler's equations; Lagrange's equations; Hamilton's equations.

Prerequisites: Physics 61; Mathematics 141, 142 or may be taken concurrently; Mathematics 151 recommended.

Text: Constant: *Theoretical Physics*, Vol. 1

## 177. ADVANCED PHYSICAL MEASUREMENTS (1-4)

Formal laboratory work in upper division physics: -O, optics; -AN, atomic and nuclear; -E, electronics; -EM, electricity and magnetism; -HT, heat and thermodynamics. Laboratory: 3 or 6 hours each week. Prerequisites: An upper division course in the same field or taken concurrently, or with consent of the department head.

May be repeated in the same area for a maximum of four hours.

## 181, 182. ELECTROMAGNETISM (3, 3)

Coulomb's law of force; Gauss' law; divergence and curl of  $E$ ; Poisson's and Laplace's equations; theory of images; Ampere's law; the magnetic field; curl and divergence of  $B$ ; vector potential; Faraday's law; Lenz's law; curl of  $E$ ; relation between  $B$  and the vector potential; Maxwell's postulates and electromagnetic equations; Electromagnetic properties of material media; reflection and refraction of electromagnetic waves. Physics 177-EM is an electricity and magnetism laboratory designed to accompany this course.

Prerequisites: Physics 63, 64; Physics 171; Mathematics 141, 142.

Text: Constant: *Theoretical Physics*, Vol. II, Part 2, 3.

## 183. PROCEDURES AND MATERIALS IN SCIENCE AND MATHEMATICS (2)

A study of the procedures and materials of secondary science and mathematics. May not be taken for science and mathematics degree requirements.

Prerequisite: Education 165 or taken concurrently.

## 191, 192. INTRODUCTION TO QUANTUM MECHANICS (2, 2)

Classical background and elementary formation of quantum mechanics. Application of Schroedinger's equations to the free particles, particle in a box, harmonic oscillator, rigid rotator, and hydrogen atom.

Prerequisites: Mathematics 141, 142 or may be taken concurrently.

Text: Sherwin: *Introduction to Quantum Mechanics*.

## 199. PROJECTS AND TOPICS IN PHYSICS (1 to 8)

Projects: -X consist of an experimental study of a specific problem chosen by the student in consultation with a staff member.

Topics: -S Spectroscopy, -R Reactor Physics, -A Astro-physics. One class and one laboratory. Two hours per semester.

Prerequisites: Upper division physics major or minor status or with permission of department chairman.

# Physics

## GENERAL EDUCATION

This is a science course which should normally be chosen by the student not intending to make any natural science his field of major concentration.

### 63. PHYSICAL SCIENCE (4)

A study of the earth, the characteristics of its surface and its resources of materials and energy in relation to the rest of the known universe. Offered both semesters.

### *Graduate courses:*

#### 201, 202. CLASSICAL MECHANICS (1-4 hours per semester)

Advanced dynamics, Lagrange's equations, Hamilton's principle, canonical equations, the Hamiltonian function, and selected topics.

#### 203, 204. ELECTROMAGNETIC THEORY (1-4 hours per semester)

Electro-and magneto-statics, Maxwell's equations, vector and scalar potentials, electromagnetic radiation, multipole radiation, retarded potentials, Huygen's principle, and selected topics.

#### 205, 206. SOLID STATE PHYSICS (1-4 hours per semester)

Classification of solids and crystal structure, lattice energy and vibration, ferromagnetism, superconductivity, imperfections in solids.

#### 207, 208. QUANTUM MECHANICS (1-4 hours per semester)

Wave nature of matter; three dimensional treatments; angular momentum; perturbation theory, Stark and Zeeman effect; application to atomic and molecular structure; emission and absorption and radiation; exchange forces and energy; Fermi-Thomas atom; collisions and Born approximation; wave and matrix methods for problems in the structure of matter.

#### 209, 210. ATOMIC PHYSICS (1-4 hours per semester)

An expository analytical approach to the topics of atomic physics including some material on physics of the solid state. The methods of quantum mechanics are used in developing many of the topics.

#### 211, 212. NUCLEAR PHYSICS\* (1-4 hours per semester)

Fundamental facts and theories of the structure of nuclei and their interactions; masses, moments, and radii of stable nuclei and unstable nuclei; alpha, beta, and gamma decay; nuclear models; accelerators and particle physics; nuclear scattering; the many-body problem, Mossbauer effect, and resonance fluorescence.

#### 291, 292. SEMINAR IN PHYSICS (1-4 hours per semester)

Intensive study of current research or topics in Physics.

#### 298. RESEARCH METHODS IN PHYSICS (1 hour per semester)

#### 299. RESEARCH AND THESIS (1-4 hours per semester)

## Graduate Courses:

### 203. HISTORICAL AND PHILOSOPHICAL BACKGROUNDS OF THE PHYSICAL SCIENCES (3)

A case study of the historical and philosophical setting involved in the development of some of the important theories of the physical sciences. From this study a science teacher can synthesize a deeper understanding of the nature of the physical sciences and their relation to the other disciplines.

Prerequisite: At least 20 hours work in the physical sciences.

## CURRICULUM FOR PHYSICS MAJOR

### B.A. DEGREE\*

(Suggestive only)

#### FRESHMAN YEAR

	First Semester	Second Semester
Religion 1,2 . . . . .	2	2
English 1-2 . . . . .	3	3
Mathematics 5,6 or 51, 52 . . . . .	3	3
Chemistry 5-6 or 7-8 . . . . .	5	5
Physics 61, 62 . . . . .	2	3
Physical Education . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	15½	16½

#### SOPHOMORE YEAR

Religion . . . . .	2	2
Physics 63, 64 . . . . .	2	3
Intermediate Language 53-54 . . . . .	3	3
History . . . . .	3	3
Mathematics 71, 72 or 61, 71, 72 . . . . .	3 or 5	3
Health Principles . . . . .	2	
Electives . . . . .		2
Physical Education 55, 56 . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	15½ or 17½	16½

#### JUNIOR YEAR

General Psychology 5 . . . . .		3
Physics 171, 172 . . . . .	3	3
General Education 57 or 58 . . . . .		3
Applied Arts . . . . .	3	
Physics 151, 152, 177-AN . . . . .	4	4
Mathematics 141, 142 . . . . .	2	2
Electives . . . . .	4	1
	16	16

#### SENIOR YEAR

Religion . . . . .	2	2
History . . . . .		3
Literature and Speech . . . . .	3	3
Physics 181, 182, 177-EM . . . . .	4	3
General Education 64 . . . . .	4	
Physics 199 . . . . .	1	
Electives . . . . .	2	5
	16	16

\*B.A. degree students may choose electives for premedical requirements if desired, if not, more physics and mathematics are highly recommended. B.S. degree students should see Physics Major Requirements.

# Psychology

## PSYCHOLOGY

STANLEY BULL (head), MAURICE HODGEN, MAYBEL JENSEN,  
R. S. LOWRY, GEORGE PLATNER, G. T. SIMPSON

*Psychology and Sociology Combined Major Requirements:* 40 hours, 22 in psychology and 18 in sociology. Upper division requirements: 12 hours of psychology and 10 sociology. Required courses: Psychology 5, 54; Sociology 47, 85.

*Minor Requirements:* 20 hours, of which a minimum of 12 must be in the upper division. Social Sciences 187 and Education 155 are recommended cognates.

R. READING IMPROVEMENT (no credit)

A course designed to aid the slow reader in correcting faulty habits or reading — psychological and mechanical.

5. GENERAL PSYCHOLOGY (3)

A foundation course designed to help the student understand and explain the behavior of others and thereby be better equipped to predict and control his own life and influence the lives of others. (Not applicable toward an education major or minor.)

NOTE: Psychology 5 is a prerequisite for all other Psychology courses.

54. PERSONAL AND SOCIAL ADJUSTMENT (3)

Orientation in the practical use of psychological principles in problems and circumstances encountered in college and later life. An examination and interpretation of the factors which contribute to personality development.

85. SOCIAL PSYCHOLOGY (3)

(See Sociology department for description of course.)

101. PSYCHOLOGY OF ADOLESCENCE (2)

A course dealing with the most significant problems in adolescent development, with special emphasis upon the psychological principles that govern behavior.

107. PERSONALITY AND MENTAL HYGIENE (2)

A study of the constructive and preventive contributions of education to mental health and personal growth. Emphasis is placed on basic attitudes that influence behavior and on methods of working with these attitudes, individually and in groups, to develop more constructive behavior.

114. EDUCATIONAL PSYCHOLOGY (3)

A study of the physical, mental, emotional, and social growth and development of the child and the adolescent in society. A survey of the various psychological processes important to learning and its direction, with special emphasis on the significance of the principles of psychology in various teaching procedures.

121. CHILD GROWTH AND DEVELOPMENT (2)

A study of the physical, mental, social, and emotional development of the child from infancy through early adolescence together with an analysis of the scientific principles of child psychology, with emphasis upon the characteristics of childhood, the development of language, learning, and social behavior.

170. THE EXCEPTIONAL CHILD (2)

A study of the determinants, characteristics, problems and adjustments of children who deviate markedly from the norm in their mental, physical, emotional and social aptitudes, traits and tendencies. Educational methods to be used with deviate children are investigated and analyzed.



### RELIGION, RELIGIOUS HISTORY, PHILOSOPHY APPLIED THEOLOGY

WALTER F. SPECHT (head), DANIEL L. COTTON, FRITZ GUY,

J. CECIL HAUSSLER, ROYAL SAGE

The objectives of this department are these: to foster in students a sense of personal responsibility to God; to lead them into a clear understanding and appreciation of the fundamental doctrines of the church and to an articulate expression of Christian faith; to develop in students ability and spiritual techniques for participation in the organized work of the church, either as official workers or as laymen; to train them to participate in the building of a Christian community, to meet the spiritual, moral, social, and physical needs of men and women everywhere, and to carry the gospel to all the world; to ensure a sound basis for graduate study.

*Religion Major Requirements:* 30 hours, of which a minimum of 18 hours must be in the upper division. Required courses: Religion 71 or 105; 72 or 106; 151, 152; 56 or 115; 109 or 110; 138, 141 or 142; 161 and 162. A maximum of 4 hours in applied theology and 6 hours in religious history will be counted towards a major. Recommended electives: Any courses offered in Religion and cognate studies; Biology 181; History 103, 104; Education 101 and Psychology 107; English 160 and 170; Speech 142, 143; Secretarial Science 3 or 9; Music 60, 113, 114.

*Religion Minor Requirements:* 18 hours, including the basic requirements in religion, and Religion 56 or 115. A minimum of 9 hours must be in the upper division. A maximum of 4 hours in applied theology or religious history may apply.

*Theology Major Requirements:* 42 hours,\* of which a minimum of 20 must be in the upper division. Information concerning required courses, cognates, and the fifth year at the Seminary is given in the Special Curriculums section of this Bulletin. All those desiring recommendation for ministerial internships must major in Theology.

\*Those who elect to combine a Biblical Languages major with a Theology major shall be exempted from that 6 hours of the Theology major required in Religion 161, 162, in view of the required equivalent in the Biblical Languages major, 145, 146. Thus for such candidates the Theology major requirement is 36 hours.

HONORS STUDIES IN RELIGION. Consult Studies for Honors, for a description of the Honors Program at La Sierra College. Honors credit in Religion to the extent of 1 or 2 semester hours is available in each of these courses: 105-H, 106-H, 109-H, 110-H, 115-H, 161-H, 162-H, 171-H, 172-H.

# Religion

## RELIGION

### 1, 2. LIFE AND TEACHINGS OF JESUS (2, 2)

A study of the teaching principles, methods of labor, and analysis of the teachings and miracles of Jesus with their application to present-day conditions and needs.

### 3, 4. FOUNDATIONS OF CHRISTIANITY (2, 2)

An introduction to personal, inductive study of the Bible in depth. The first semester concentrates on Genesis, with selections from the Psalms and the prophets; the second semester concentrates on Matthew, with selections from the New Testament epistles. Offered for students with less than two units of secondary credit in religion, and for others by advisement.

### 56. SPIRIT OF PROPHECY (2)

A creative study of the prophetic gift in its operation in the church, and the relation of its truths, principles, and standards to life problems. For non-theology students only. Credit not allowed for this course and 115.

### 57, 58. INTRODUCTION TO THEOLOGY (2, 2)

Introduction to the general field of theological thought — its purpose, scope, and methods. Systematic investigation is made of the doctrines of the church. Open to theology majors only. Credit not allowed for this course and 151, 152.

### 59, 60. OLD TESTAMENT LIFE AND TEACHINGS (2, 2)

An approach to the Old Testament: its historical framework, its developing revelation of God and His redemptive plan, the great ideas in its individual books, its relation to Jesus and the New Testament, and its relevance today to the individual life and to the Christian fellowship. This course or 71, 72 will fulfill the sophomore requirement in Religion.

### 71. PROPHECIC INTERPRETATION I (2)

The historical and prophetic study of the book of Daniel, tracing the rise and fall of world empires until the final establishment of God's kingdom on earth, with special emphasis on the atonement, judgment, and return of our Lord. Credit not allowed for this course and 105.

### 72. PROPHECIC INTERPRETATION II (2)

A study of the Revelation in which the whole Bible is gathered together and made to focus on Jesus Christ, His church being seen in its conflict with the forces of evil and apostasy through the ages and in its ultimate triumph. Credit not allowed for this course and 106.

### 105. DANIEL (2)

An advanced study of Daniel, the objections of and answers to the critics of the Book of Daniel, and particular emphasis and detailed study of the prophetic parts of Daniel. Credit not allowed for this course and 71.

### 106. REVELATION (3)

An advanced study, particularly applicable to those who are looking forward to the ministry, with emphasis upon eschatology. Credit not allowed for this course and 72 or 132.

## Religion

- 109, 110. **OLD TESTAMENT PROPHETS** (3, 3)  
An analytical and exegetical study of the Hebrew prophets with careful attention to their historical setting and with special consideration of the eternal principles and practical values of their messages for today. (First semester: Prophets of the eighth century B.C.; second semester: Prophets of Judah, the exile, and the Restoration.)
115. **GIFT OF PROPHECY** (3)  
A course dealing with the Gift of Prophecy in its relation to the origin and progress of the church and its work from its inception to the present time. Credit not allowed for this course and 56.
132. **ESCHATOLOGY** (2)  
The intensive study and chronological organization of the closing events as presented in the Spirit of Prophecy. Credit not allowed for this course and 106.
- 151, 152. **BIBLICAL THEOLOGY** (2, 2)  
A study of selected aspects of Seventh-day Adventist belief — inspiration and revelation, the Sabbath, the nature of man, the plan of salvation, the second coming of Jesus Christ — using the approaches and methods characteristic of Biblical theology in general. The first semester is ordinarily prerequisite to the second, but this requirement may be waived by consent of the instructor. Credit not allowed for this course and 57, 58.
- 161, 162. **NEW TESTAMENT EPISTLES** (3,3)  
An exegetical study of the Pauline Epistles. The object is to train the student in correct analysis and interpretation of Scripture, with special emphasis on the great truths, historical background, and theological concepts.
- 171, 172. **PHILOSOPHY OF RELIGION** (2, 2)  
(See philosophy section for description.)
181. **CHRISTIAN ETHICS** (2)  
(see philosophy section for description.)

### APPLIED THEOLOGY

127. 128. **HOMILETICS** (3, 3)  
An introduction to the history, science, and art of preaching. Discussion of the origin, structure, content, and composition of various types of sermons. Application is made of the analytical and synthetical Bible study methods for preaching. Exercises in sermon outlines, elaboration, and delivery, with criticism. One hour laboratory, and field work in surrounding churches. The first semester or equivalent is prerequisite to the second.
137. **PRINCIPLES OF EVANGELISM** (2)  
A survey of the basic principles involved in conducting public evangelistic meetings. Special consideration is given to principles which relate to securing personal decisions for Christ and the church. Scheduled projects in field work will be assigned; and where possible, experience will be given in conducting a series of evangelistic meetings. Prerequisites: Religion 57, 58, 127.
138. **CHURCH POLITY AND LEADERSHIP** (2)  
A basic course for the consideration of the functions common to all types and fields of religious leadership. Consideration is given to the leadership of the basic units and organizations of the church; also the course treats of congregation, denomination, and community relationships. Evangelistic emphasis is stressed in all practical helps and projects given. Not open to theology students.



## Religion

### 140. PASTORAL ADMINISTRATION (2)

A study of the principles of church organization and administration, worship services, pastoral duties, and ministerial ethics.

### RELIGIOUS HISTORY

#### 101. BIBLICAL ARCHAEOLOGY\* (2)

A study of the technique of archaeology and its methods, and a survey of the excavations and discoveries in Bible lands with a view to making clear the setting of many of the incidents of the Bible; to provide additional light on and confirmation of the word of God.

#### 118. MISSIONS AND MISSION PROBLEMS (3)

A study of world missions in prophecy and history. Special stress is given to the problems, methods, and policies of mission work under present-day conditions.

#### 134. MANUSCRIPTS OF THE BIBLE\* (2)

A course showing God's particular care in preserving manuscripts and versions of the Bible. The formation of the canons of the Old and New Testaments, translations, and revisions of the Bible constitute the chief fields of study in this course.

#### 141, 142. HISTORY OF THE CHRISTIAN CHURCH (3, 3)

The development of the Christian church with emphasis upon the story of the true church, the rise and development of the Papacy, the Protestant Reformation, with the subsequent break-up of Protestantism, and the origin of modern denominations.

### PHILOSOPHY

#### 81-82. INTRODUCTION TO PHILOSOPHY (2-2)

The nature, purpose, methods, and values of philosophical inquiry. An analysis of the major philosophical problems and an evaluation of the solutions offered by philosophers in all ages.

#### 171, 172. PHILOSOPHY OF RELIGION (2, 2)

An examination of the history and development of religious philosophy with particular emphasis upon Christian philosophy and an evaluation of it. An examination of the Christian concepts of God, creation, nature of man, salvation, and immortality. The first semester is prerequisite to the second.

#### 181. CHRISTIAN ETHICS (2)

A study of the major problems of ethics in the light of Christian faith.

#### 197. AESTHETICS (3)

(See Music 197.)

### *Graduate Courses:*

#### 200. INTRODUCTION TO THE OLD TESTAMENT (3)

A study of the problems pertaining to the origin of the Old Testament books, their formation into a canon, and their textual transmission and translation. Special attention will be given to the Documentary Hypothesis.

#### 201. INTRODUCTION TO THE NEW TESTAMENT (3)

The origin, setting and purpose of the books of the New Testament. The formation, transmission, and translation of the New Testament canon.

#### 203. NEW TESTAMENT BACKGROUNDS (2)

A historical study of the political, religious, and literary environment of New Testament Christianity.

#### 241. SEMINAR IN EARLY CHURCH HISTORY TO 538 (2)

#### 242. SEMINAR IN MEDIEVAL CHURCH HISTORY TO 1300 (2)

#### 243. SEMINAR IN S.D.A. DENOMINATIONAL HISTORY (2)



## CURRICULUM FOR RELIGION MAJOR

(Suggestive only)

## FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
Freshman English (English 1-2) . . . . .	3	3
Beginning Language . . . . .	3	3
(Not required if the student has two entrance units in one foreign language and aims to continue the same language in college.)		
History . . . . .	3	3
Elective . . . . .		2
Health Principles (Health 59) . . . . .	2	
General Psychology (Education 5) . . . . .	3	
Speech . . . . .		3
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

## SOPHOMORE YEAR

Religion (59, 60 or 71, 72) . . . . .	2	2
Intermediate Language . . . . .	3	3
General Education (63, 64) . . . . .	4	4
History . . . . .	3	3
Applied Arts . . . . .	3	
Electives . . . . .		3
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	15½	15½

## JUNIOR YEAR

New Testament Epistles (Religion 161, 162) . . . . .	3	3
Gift of Prophecy (Religion 115) . . . . .	3	
Literature . . . . .		3
General Education (57 or 58) . . . . .	3	
Electives . . . . .	7	10
	16	16

## SENIOR YEAR

History of the Christian Church (Religious History 141 or 142) . . . . .	3	
Old Testament Prophets (Religion 109 or 110) . . . . .		3
Daniel and Revelation (Religion 105, 106) . . . . .	2	3
(Required unless the student has taken 71, 72)		
Biblical Theology (Religion 151, 152) . . . . .	2	2
Church Polity and Leadership . . . . .		2
Electives in Major Concentration . . . . .	2	
Electives . . . . .	7	6
	16	16

# Religion

## CURRICULUM FOR THEOLOGY MAJOR

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
Beginning New Testament Greek (Biblical Language 7-8) . . . . .	3	3
Freshman English (1-2) . . . . .	3	3
General Psychology (Psychology 5) . . . . .		3
Health Principles (Health 59) . . . . .	2	
History . . . . .	3	
Principles of Education . . . . .		3
Speech . . . . .	3	
Elective . . . . .		2
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

### SOPHOMORE YEAR

Introduction to Theology (Religion 57, 58) . . . . .	2	2
Intermediate New Testament Greek (Biblical Languages 65-66) . . . . .	3	3
Literature . . . . .		3
History . . . . .	3	3
General Education (63, 64) . . . . .	4	4
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
Applied Arts . . . . .	3	
	15 $\frac{1}{2}$	15 $\frac{1}{2}$

### JUNIOR YEAR

Homiletics (Applied Theology 127, 128) . . . . .	3	3
New Testament Epistles (Religion 161, 162) . . . . .	3	3
History of the Christian Church (Religious History 141, 142) . . . . .	3	3
Gift of Prophecy (Religion 115) . . . . .	3	
Advanced Greek . . . . .	2	or 2
Electives . . . . .	2-4	2-4
Church Music 113, or Hymnology 114 . . . . .		3
	16	16

### SENIOR YEAR

Old Testament Prophets (Religion 109, 110) . . . . .	3	3
Daniel and Revelation (Religion 105, 106) . . . . .	2	3
Philosophy of Religion (Philosophy 171, 172) . . . . .	2	2
Principles of Evangelism (Applied Theology 137) . . . . .	2	
Pastoral Administration (Applied Theology 140) . . . . .		2
Speech . . . . .	3	
Electives . . . . .	4	6
	16	16

## Romance Languages

### 173. MENTAL DEFICIENCY (2)

A course dealing with the etiology of mental retardation; diagnosis, characteristics and classification of mental defectives. A study based on available psychological evidences is made of the degrees of impairment and their resultant personality, school, family and institutional problems.

### 174. THE GIFTED CHILD (2)

A developmental study of the peculiar qualities that make up intellectual giftedness, special capacities and special aptitudes. The psychological, philosophical, social, educational, and personal issues involved are carefully analyzed and studied.

Prerequisite: Psychology 5.

### 178. ABNORMAL PSYCHOLOGY (3)

The psychology of behavior disorders, with emphasis on origins, symptoms, and treatment of personality disturbances and mental disorders.

Prerequisites: Psychology 5, Education 155.

### *Graduate Course:*

### 210. PSYCHOLOGICAL FOUNDATIONS OF EDUCATION (2)

(See Education 210 for description of course.)

## ROMANCE LANGUAGES

MARGARETE HILTS (head), GRACE ALVAREZ, HOPE HAYTON

The objectives of this department are to equip the major with the necessary tools to enter professions requiring foreign language and to prepare him for graduate study. The aim is to develop the student's ability to reason inductively, to give him a deeper insight into his mother tongue, to arouse in him an awareness and appreciation of his cultural heritage, and to stimulate his interest in the foreign mission program of the church.

In fulfilling his language requirements, the student should be aware that a reading knowledge of either French or German will often be required of him on Master's degree work, and quite probably both French and German on a Ph.D. program, unless his research involves the study of another language.

Before enrolling in a modern language course numbered 100 or above, a student must have completed 12 to 14 hours, or the equivalent, of one language. Education 181 and 190 are recommended for students planning to teach a language.

**HONORS STUDIES IN FRENCH.** Consult Studies for Honors, for a description of the Honors Program at La Sierra College. Honors credit in French to the extent of 1 or 2 semester hours is available in each of these courses: 141-H, 142-H, 151-H, 152-H.

### FRENCH

*Major Requirements:* 30 hours in addition to French 3-4 or the equivalent, of which a minimum of 24 hours must be in the upper division. These must include 131, 155, 156, 178, 179. Only 2 hours of 178, 179 may count toward the 24 hours of upper division required. Required cognates: 4-6 hours of literature other than American. Recommended cognates: Biblical Languages 51-52, 6-12 hours of a modern language other than French.

## Romance Languages

*Minor Requirements:* 18 hours above the beginning course or its equivalent, of which a minimum of 9 must be in the upper division, including 131. This requirement may be reduced to 15 hours if a student has 2 secondary units or the equivalent in a language other than French.

3-4. BEGINNING FRENCH (3-3)

An introductory study of grammar, pronunciation, reading, composition, with oral practice. Laboratory time required.

51. INTRODUCTION TO FRENCH READING (3)

A beginning French course designed specifically for students desiring to acquire a reading knowledge of French. Open only to college graduates or to students who have completed twelve semester hours or the equivalent of another language.

53-54. INTERMEDIATE FRENCH (3-3)

A continuation of 3-4. A review of grammar with readings from French authors. Prerequisite for French 155, 156.

Prerequisite: French 3-4 or equivalent.

57, 58. READING OF FRENCH MASTERPIECES (2, 2)

Reading and discussion of selected works in French literature. May be taken concurrently with French 53-54.

101, 102. VOCABULARY BUILDING (2, 2)

Designed to enlarge the student's vocabulary, mainly through oral use.

123, 124. OUTLINE HISTORY OF FRENCH LITERATURE\* (3, 3)

Literary landmarks from La Chanson de Roland to the 19th century. Special stress on the 17th century.

131. PRONUNCIATION (2)

A thorough study of the fundamental principles of French pronunciation.

141. ROMANTICISM\* (2)

Through the study of leading pre-Romantic and Romantic authors, this course traces the development of the Romantic movement from its beginnings to approximately 1850.

142. MODERN FRENCH WRITERS\* (2)

The development of realism, symbolism and other literary movements of the latter part of the nineteenth century as manifested in the principal writers of the period.

143-144. READING FRENCH (1-1)

Readings in French in the student's major field, readings chosen in conference with the major professor and the language professor.

151, 152. CONTEMPORARY WRITERS (3, 3)

A study of selected twentieth century authors who reflect the current French temperament.

155, 156. ADVANCED COMPOSITION (2, 2)

Further study of grammar and idiomatic expressions with translations of literary works from English into French. Both semesters are required of majors and are recommended for minors.

Prerequisite: French 53-54.

178, 179. FRENCH CIVILIZATION (2, 2)

A study of the philosophies and ideas which have molded the social, political, and cultural history of France. Only two hours of this course may apply on a French major.

183. PROCEDURES AND MATERIALS IN MODERN LANGUAGE (2)

(See German 183)



## Romance Languages

### CURRICULUM FOR FRENCH MAJOR

#### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
History of Western Civilization (History 52) . . . . .		3
Freshman English (English 1-2) . . . . .	3	3
Beginning French (French 3-4) . . . . .	3	3
(Not applicable to those who have college entrance in the same language.)		
General Psychology (5) . . . . .	3	
Health Principles (Health 59) . . . . .		2
Applied Arts . . . . .	3	
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
Elective . . . . .	2	3
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

#### SOPHOMORE YEAR

Religion . . . . .	2	2
American History and Institutions (History 91, 92) . . . . .	3	3
Intermediate Language . . . . .	3	3
General Education (63, 64) . . . . .	4	4
Literature . . . . .	2-3	2-3
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
Electives . . . . .	1-2	1-2
	15 $\frac{1}{2}$ -16 $\frac{1}{2}$	15 $\frac{1}{2}$ -16 $\frac{1}{2}$

#### JUNIOR YEAR

Upper Division French . . . . .	7	5
(A student in the junior year should take note that many of the upper division French classes are offered only in alternate years, and he should therefore, in consultation with the chairman of his department arrange his study list accordingly.)		
Religion . . . . .	2	2
General Education 57 or 58 . . . . .		3
Electives . . . . .	7	6
	16	16

#### SENIOR YEAR

Upper Division French . . . . .	7	5
Electives . . . . .	9	11
	16	16

## Romance Languages

### SPANISH

*Minor Requirements:* 18 hours above a beginning college course, or its equivalent, of which a minimum of 9 must be in the upper division, including 131, 132; 145, 146. This requirement may be reduced to 15 hours if a student has 2 secondary units or the equivalent in a language other than Spanish.

A four year curriculum in Hispanic-American Studies is offered for those interested in historical and social backgrounds of Hispanic-American civilization. See under History.

#### 53-54. INTERMEDIATE SPANISH (3-3)

Grammar review, conversation, readings from basic cultural and historical materials by Hispanic authors.

Prerequisite: Two units of high school Spanish or equivalent.

#### 67-68. READING AND CONVERSATION (2-2)

An advanced intermediate course. Intensive training in conversation with readings from selected Spanish masterpieces.

Prerequisite: 3 or 4 units of high school Spanish or a suitable score in the placement test. Credit cannot be earned in both Spanish 53-54 and 67-68.

#### 131. INTENSIVE CONVERSATION AND VOCABULARY BUILDING (2)

Advanced intensive drill in pronunciation with special emphasis on accent, stress, rhythm, and intonation patterns.

#### 132. ADVANCED GRAMMAR AND COMPOSITION (2)

A study of the more difficult points of Spanish grammar and style with practice in original written and oral compositions.

#### 143-144. READING SPANISH (1-1)

Readings in Spanish in the student's major field, readings chosen in conference with the major professor and the language professor.

#### 145, 146. OUTLINE HISTORY OF SPANISH LITERATURE (3, 3)

Literary landmarks from the Middle Ages through the modern period with emphasis on the didactic and Mystic authors of the Golden Age.

#### 149, 150. SPANISH CIVILIZATION (2,2)

Only two hours of this course may apply on a Spanish major.

#### 161, 162. LATIN AMERICA LITERATURE (3, 3)

A survey of the literary trends in the Spanish speaking countries of the Western Hemisphere with emphasis on Sarmiento, Rodo, Dario, Palma, and others.

#### 183. PROCEDURES AND MATERIALS IN MODERN LANGUAGE (See German 183)

## Secretarial Science

### SECRETARIAL SCIENCE

IRENE ORTNER (head), PRUDENCE ORTNER

The degree program in Secretarial Science is designed to prepare the student for professional secretarial work in denominational or commercial offices or for business teaching. It combines the broad cultural background of a college education with thorough training in basic office skills.

*Major Requirements:* 34 hours, of which a minimum of 15 must be in the upper division.

**SECRETARIAL:** Required courses: Secretarial Science 57; 63, 64; 14; 53; 54; 70. A maximum of 4 hours of Business Administration may be included in the total upper division hours. Cognate requirements: Economics 51-52 and Speech (at least 2 hours).

**BUSINESS EDUCATION:** Students choosing this curriculum minor in Secondary Education. Required courses: Business Administration 55, 56; Secretarial Science 57; 63; 53; 54; 70; and 181. A maximum of 4 hours of Business Administration may be included in the total upper division hours. Cognate requirements: Economics 51-52 and Speech (at least 2 hours).

*Minor Requirements:* 18 hours, of which a minimum of 5 are upper division. Required: Secretarial Science 63 and 70.

(The two-year Stenographic Certificate requirements are listed in the Professional section of this Bulletin.)

### TYPEWRITING

#### 3. BEGINNING TYPEWRITING (2)

The techniques of touch typewriting as applied to business and personal use. Meets five days a week. Offered first semester only.

#### 9. TYPEWRITING REVIEW (1)

A review of basic techniques and applications for either business or personal use. For students with previous training whose speed on a 5-minute test is 30-40 wpm. Meets three days a week. Offered both semesters. Credit is not allowed for both 3 and 9.

#### 57. ADVANCED TYPEWRITING (2)

Emphasis on increased speed, accuracy, and skill in the typing of letters and business projects. Meets five days a week. Offered both semesters.

Prerequisite: Secretarial Science 3 or 9 or 45 wpm.

### SHORTHAND

#### 7. BEGINNING SHORTHAND (4)

Theory of Gregg Shorthand Simplified; simple dictation of familiar material. (May not be taken for credit by those with previous shorthand training.)

## Secretarial Science

### 8. SHORTHAND DICTATION (4)

Speed-building dictation of new material; elementary transcription on the typewriter.

Prerequisite: Secretarial Science 3 or 9 and 7 or equivalent.

### 11, 12. SHORTHAND REVIEW\*\* (2, 2)

A review of Gregg Shorthand for students whose previous training does not qualify them for 63, 64 Dictation and Transcription. Credit is not allowed for both 7 and 8 and 11, 12.

### 63, 64. DICTATION AND TRANSCRIPTION (4, 4)

Further development of shorthand speed plus intensive training in fast and accurate transcription of mailable letters. The second semester includes work in denominational vocabulary. (First semester is prerequisite to the second semester.)

Prerequisite: Secretarial Science 8 or equivalent.

### 52. GREGG NOTEHAND (3)

A course in note-taking for those interested in improving their skill in taking notes from lectures, reading, interviews, and research. It is based on the alphabet of Gregg shorthand but is designed for personal use rather than for verbatim recording of dictation. (Does not apply on a secretarial major, minor, or 2-year program.)

### 108. ADVANCED SHORTHAND (3)

Diction and transcription of Congressional and denominational material at the higher speeds.

Prerequisite: Secretarial Science 63.

### 170. MEDICAL STENOGRAPHY\* (2 or 3)

Shorthand and machine dictation and transcription of material selected from medical case histories, letters, and hospital records.

Prerequisite: Secretarial Science 63.

## OFFICE PRACTICE

### 14. SECRETARIAL ACCOUNTING (3)

Instruction in accounting fundamentals adapted to the needs of future secretaries and stenographers. Will not apply on a Business major or minor. Offered both semesters. First semester class limited to those having had bookkeeping on the secondary level.

### 53. BUSINESS MACHINES (2)

Instruction and practice on the machines commonly used in business offices. Types of machines included are adding and calculating, duplicating, and dictation-transcription. One hour lecture and three hours laboratory each week. Offered both semesters.

Prerequisite: Secretarial Science 3 or 9 or equivalent.

### 54. INDEXING AND FILING (1)

A study of the filing systems most commonly used in offices; practice in card and correspondence filing and finding. Offered both semesters.

Prerequisite: Secretarial Science 3 or 9 or equivalent.

### 70. OFFICE PROCEDURES (3)

Preparation for the activities and procedures common to most stenographic jobs and a study of the human relationships involved. Two class periods and a laboratory each week.

Prerequisite: Secretarial Science 57. (May be taken concurrently.)



## Secretarial Science

141. BUSINESS LAW I\*\* (3)  
(See Business Administration 141.)
142. BUSINESS LAW II\*\* (3)  
(See Business Administration 142.)
161. BUSINESS COMMUNICATIONS (3)  
The composition and dictation of business letters and reports.
164. OFFICE MANAGEMENT\* (3)  
The planning and organizing of business and secretarial offices. Special attention is given to the training of office employees, the selecting of equipment, the planning of office space, and organizing the flow of work through the office.
174. THE PROFESSIONAL SECRETARY\* (2)  
A consideration of the duties, attitudes, responsibilities, and personal qualifications which characterize the fully trained professional secretary.  
Prerequisite: Secretarial Science 70 or permission of the instructor.

### BUSINESS EDUCATION

183. PROCEDURES AND MATERIALS IN BUSINESS EDUCATION\*\* (2)  
The application of the principles of teaching in the secondary school to the teaching of shorthand, typewriting, and bookkeeping, with particular attention to materials and techniques available. (Does not apply on major in secretarial area.)  
Prerequisite: Secondary Education 165. (May be taken concurrently.)  
(See Secondary Education 181.)

## Secretarial Science

### CURRICULUM FOR MAJOR IN SECRETARIAL SCIENCE (B.S.)

(Suggestive only)

#### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
Freshman English (English 1-2) . . . . .	3	3
Secretarial Accounting (Secretarial Science 14) . . . . .	3	
Applied Arts . . . . .		3
Speech . . . . .		2
*Beginning Typewriting (Secretarial Science 3) . . . . .	2	
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
*Beginning Shorthand (Secretarial Science 7) . . . . .	4	
*Shorthand Dictation (Secretarial Science 8) . . . . .		4
Electives . . . . .	1	2
	15½	16½

\*Students having the equivalent of all or part of these may substitute second-year shorthand and typewriting or electives.

#### SOPHOMORE YEAR

Religion . . . . .	2	2
Principles of Economics (Economics 51-52) . . . . .	3	3
Office Procedures (Secretarial Science 70) . . . . .		3
*Advanced Typewriting (Secretarial Science 57) . . . . .	2	
*Dictation and Transcription (Secretarial Science 63, 64) . . . . .	4	4
Indexing and Filing (Secretarial Science 54) . . . . .		1
Business Machines (Secretarial Science 53) . . . . .	2	
American History and Institutions (History 91, 92) . . . . .	3	3
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

\*Students taking these in the freshman year substitute Physics 63 and Biology 64 and/or electives.

#### JUNIOR YEAR

Upper Division Electives on Major . . . . .	5	4
General Education (63, 64) . . . . .	4	4
Literature . . . . .	3	
History of Western Civilization . . . . .		3
Electives . . . . .	4	4
	16	15

#### SENIOR YEAR

Upper Division Electives on Major . . . . .	3	3
Religion . . . . .	2	2
Literature or Speech . . . . .	2	
Electives . . . . .	9	11
	16	16

Note: Majors preparing for business teaching will substitute Principles of Accounting (Business Administration 55,56) for Secretarial Accounting and will choose electives from Secondary Education.

### SOCIAL SCIENCES

F. G. HOYT (head), C. C. CRIDER, R. L. KOORENNY

*Social Science Major Requirements:* This major is designed for students wishing to pursue a broad educational program with special emphasis on the social sciences. Students planning for Social Work, Public Relations, or Pre-law should consult the chairman for recommended courses in the cognate area.

PLAN I: 36 hours with no less than 8 hours each in Economics, Political Science, and Sociology; a minimum of 20 hours must be in the upper division. Required courses: Economics 51-52; Political Science 57, 58, 131; and Sociology 47, 62, 182.

PLAN II: 40 hours with at least 22 in the upper division.

Sociology Emphasis: 22 hours in Sociology with at least 12 in the upper division. Required courses: Sociology 47, 85, 182, 184.

An area of minor emphasis is to be chosen from the following:

(1) 18 hours in Economics with at least 10 in the upper division. Required courses: Economics 51-52.

(2) 18 hours in Political Science with at least 10 in the upper division. Required courses: Political Science 55, 56; 57, 58.

(3) 18 hours in Psychology with at least 10 in the upper division. Required courses: Psychology 5, 54.

History 51, 52 is required for Plans I and II.

*Economics Minor Requirements:* 18 hours, of which 9 must be in the upper division. Required: Economics 51-52.

*Political Science Minor Requirements:* 18 hours, of which a minimum of 10 must be in the upper division. Required: Political Science 57, 58 and 131.

*Social Science Minor Requirements:* 18 hours, of which a minimum of 8 must be in the upper division. The minor should include 6 hours in each of two of the following fields: Economics, Political Science, and Sociology.

### ECONOMICS

#### 51-52. PRINCIPLES OF ECONOMICS (3-3)

A study of resources and national income formation; agricultural and industrial organization of production; labor organizations; the money and credit system; price theory and allocation of resources; the theory of income distribution; international trade theory; public finance; economic policies and government.

#### 123. MONEY, BANKING, AND CREDIT\* (3)

The banking system of the United States and its functions. The monetary system; credit and its functions. The relationship of banking, money and credit to business.

Prerequisite: Economics 52.

## Social Science

### 131. PUBLIC FINANCE (3)

Taxation, public expenditures, debt, and fiscal policy. The role of public finance in prosperity and depression, peace and war. Includes national, state and local taxation.  
Prerequisite: Economics 52.

### 142. ECONOMICS OF BUSINESS CYCLES (3)

The measurement, description, and major theories of cyclical fluctuations in modern industrial economies; evaluation of anticyclical policies.  
Prerequisite: Economics 52.

### 162. LABOR ECONOMICS (3)

The development and economic effects of trade unions, including a study of the problems associated with the determination of wages, hours, and working conditions in the American economy.  
Prerequisite: Economics 52.

### 172. HISTORY OF ECONOMIC THOUGHT\* (3)

Development of economic thought from ancient to modern times, with the emphasis on the classical period to the present.  
Prerequisite: Economics 52.

## POLITICAL SCIENCE

### 55, 56. UNITED STATES CONSTITUTION (2, 2)

A study of the development of the Federal Constitution from its early beginnings to 1865. The second semester considers the period from 1865 to the present time. Stress is placed on American institutions in their relation to the Constitution. The second half of this course (56) does not apply to state requirement.

### 57, 58. NATIONAL, STATE, AND LOCAL GOVERNMENT\* (2, 2)

A study of the structure and functions of the national government of the United States. The first semester satisfies the state requirement in United States Constitution. The second semester covers the organization, politics, and administration of state and local government, and also meets the state requirement for California Constitutional Government.

### 109. ENGLISH CONSTITUTIONAL HISTORY (3)

(See History 109.)

### 131. WORLD POLITICS (3)

A study of the forces and conflicts operating in international relations and world affairs with special attention given to the foreign policies of the great powers considered from the historical, political, and economic viewpoint.

### 132. COMPARATIVE GOVERNMENT\*\* (3)

A comparative study of the backgrounds, constitutional organization, and activities of the government of England, France, Germany, and Russia.



## Social Science

- 163, 164. AMERICAN DIPLOMATIC RELATIONS (2, 2)  
(See History 163, 164.)
- 165, 166. THE FAR EAST IN WORLD AFFAIRS\* (2, 2)  
The first semester gives particular emphasis to the study of the political organizations, social practices, and intellectual influences of the Far Eastern countries to the present. An analysis of contemporary internal and international relationships, colonialism, and imperialism is studied in the latter half of the course.
168. INTRODUCTION TO POLITICAL THEORY (3)  
A survey of the main currents of political thought from Plato to the present time.
169. PUBLIC OPINION AND PROPAGANDA (3)  
(See Sociology 169.)
191. READINGS IN POLITICAL SCIENCE (1 to 4)  
This course is restricted to social science majors with a minimum three-point average in their major. Students do special study in fields specified by the instructor and meet him for regular conferences each week.  
Prerequisite: permission of the department.

## PSYCHOLOGY

5. GENERAL PSYCHOLOGY (3)  
(See Psychology department for description of course.)
85. SOCIAL PSYCHOLOGY (3)  
(See Sociology department for description of course.)
101. PSYCHOLOGY OF ADOLESCENCE (2)  
(See Psychology department for description of course.)
107. PERSONALITY AND MENTAL HYGIENE (2)  
(See Psychology department for description of course.)
121. CHILD GROWTH AND DEVELOPMENT (2)  
(See Psychology department for description of course.)
170. THE EXCEPTIONAL CHILD (2)  
(See Psychology department for description of course.)
173. MENTAL DEFICIENCY (2)  
A course dealing with the etiology of mental retardation; diagnosis, characteristics and classification of mental defectives. A study based on available psychological evidences is made of the degrees of impairment and their resultant personality, school, family and institutional problems.
174. THE GIFTED CHILD (2)  
A developmental study of the peculiar qualities that make up intellectual giftedness, special capacities and special aptitudes. The psychological, philosophical, social, educational, and personal issues involved are carefully analyzed and studied.  
Prerequisites: Psychology 5.
178. ABNORMAL PSYCHOLOGY\*\* (3)  
(See Psychology department for description of course.)

## SOCIOLOGY

47. FUNDAMENTALS OF SOCIOLOGY (3)  
An introductory course to survey, analyze, and define materials in the field of social processes, social changes, social forces, and the general relation of culture to society.

## Social Science

62. **ANALYZING SOCIAL PROBLEMS** (3)  
A systematic treatment of the more important contemporary problems including deviant behavior, vice, alcoholism, drug addiction, mental and physical deficiency, and other problems which may be especially prominent before our society at a particular period.  
Prerequisite: Sociology 47 or permission of instructor.
74. **EDUCATION FOR MARRIAGE** (2)  
A study of the social and cultural factors involved in dating, courtship, mate selection, and common problems usually met during the engagement period in preparation for marriage.
75. **MARRIAGE AND THE FAMILY** (2)  
Analysis of contemporary conditions giving rise to tension; problems and processes of adjustment; conjugal and parental roles; family and primary group relationships involved in the training and personality development of children. Restricted to married students and upper division students who have had Sociology 74.
85. **SOCIAL PSYCHOLOGY** (3)  
A study of human interpersonal relationships; basic social psychological principles involved in group behavior and social roles in group life.  
Prerequisites: Sociology 47 and Psychology 5.
- 123, 124. **PRINCIPLES OF SOCIAL WELFARE\*** (2, 2)  
The first half of this course concerns itself with the history of social welfare and the underlying philosophy and principles of modern social work. The organization of social welfare agencies, federal-state-local relationships and laws are discussed in the second half of the course. Volunteer work in some social agency is recommended.
132. **PERSONALITY AND LEADERSHIP\*** (2)  
An examination of leadership in society; religious, political and social leaders on the contemporary scene; analysis of power structures.  
Prerequisite: Psychology 85.
134. **JUVENILE DELINQUENCY** (3)  
A study of the historical background of the problems which involve modern youth in situations basic to sociology; an analysis of the problems themselves; and an evaluation of the remedial measures now in common use.  
Prerequisite: Sociology 47, Psychology 5, or permission of the instructor.
135. **CRIMINOLOGY\*\*** (3)  
Introduction to the sociology of law, criminal etiology and penology.  
Prerequisite: Sociology 62.
137. **SOCIAL CONTROL\*\*** (2)  
The nature of social control and how it operates in social situations; changing nature of social control in modern urban society.  
Prerequisites: Sociology 47 and Psychology 5.
143. **ETHNIC RELATIONS\*** (3)  
Race relations in the United States and other countries with special emphasis on ethnic problems involved in foreign mission activity.
145. **CULTURAL GEOGRAPHY\*\*** (3)  
A study of the mutual relationship between man and his physical environment, including an analysis of the various human-use regions to develop an understanding as to why such factors as man's food, clothing, shelter, work, and cultural attitudes vary according to his environment.
146. **CULTURAL ANTHROPOLOGY** (3)  
The origin, nature, and diffusion of culture is studied, with special attention to contemporary cultures of the world.  
Prerequisite: Sociology 47.

## Social Science

### 147. INTRODUCTION TO INDUSTRIAL SOCIOLOGY\*\* (2)

Analysis of problems involved in industry, unionization, automation; current research about human factors in mechanization.

Prerequisite: Sociology 132 or equivalent.

### 169. PUBLIC OPINION AND PROPAGANDA (3)

A study of the problems and processes in the formation of public opinion and how public action may be organized through the use of propaganda and pressure groups.

Prerequisite: Psychology 85.

### 182. ELEMENTS OF STATISTICS (3)

Graphic and tabular presentation of qualitative and quantitative data. Computation of measures of central tendency and dispersion; probability, time-series analysis; and sample correlation.

### 184. INTRODUCTION TO SOCIAL RESEARCH\* (3)

Basic techniques and principles involved in research in the behavioral sciences.

Prerequisite: Social Science 182.

### 187. DEMOGRAPHIC PROBLEMS\*\* (2)

Demographic characteristics of the major regions of the world; social economic and political implications of present population trends.

Prerequisite: Social Science 182.

### 191. READINGS IN SOCIOLOGY (1 to 4)

This course is restricted to social science majors with a minimum three-point average in their major. Students do special study in fields specified by the instructor and meet him for regular conferences each week.

Prerequisite: permission of the department.

## Social Science

### CURRICULUM FOR SOCIAL SCIENCE MAJOR

(Suggestive only)

#### FRESHMAN YEAR

	First Semester	Second Semester
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
Intermediate Language . . . . .	3	3
If a student does not have among his college credits two units of the foreign language which he desires to continue in college, he must also take six hours of beginning language.		
History of Western Civilization (History 51, 52) . . . . .	3	3
Freshman English (English 1-2) . . . . .	3	3
General Psychology (Psychology 5) . . . . .	3	
Fundamentals of Sociology (Sociology 47) . . . . .		3
Electives . . . . .	2	2
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

#### SOPHOMORE YEAR

Religion . . . . .	2	2
General Education (63, 64) . . . . .	4	4
Health Principles (Health 59) . . . . .	2	
National, State, and Local Government (Political Science 57, 58) . . . . .	2	2
Applied Arts . . . . .	3	
Electives . . . . .		2
Major Concentration . . . . .	3	6
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

#### JUNIOR YEAR

Religion . . . . .	2	2
Literature . . . . .	3	
Speech (5) . . . . .		3
General Education (57 or 58) . . . . .	3	
United States Constitution (Political Science 55, 56) . . . . .	2	2
Language . . . . .	1	1
Major Concentration (Upper Division) . . . . .	5	5
Electives . . . . .		3
	16	16

#### SENIOR YEAR

Major Concentration (Upper Division) . . . . .	7	7
Electives or Minor . . . . .	9	9
	16	16

Students planning on social service training should note the "Presocial Work" section under the Pre-Professional Programs of this BULLETIN and consult the department chairman for a recommended curriculum.



## SPANISH (See Romance Languages)

## SPEECH

W. F. TARR (head), PAUL O. CAMPBELL, DONALD DICK,  
JERRY M. LIEN

Since a speaker must be an able person, the specific objective of the Speech Department is to prepare students to be competent to observe, listen, and evaluate and in turn to transmit their thoughts, attitudes and feelings effectively to others, whether it be from the public platform, radio studio or in the social group. The curriculum is designed to promote the personal, social and intellectual growth of the individual through a thorough grounding in the principles and techniques of various disciplines of oral communications. It provides a foundation for the selection, evaluation and organization of data, ideas, and opinions; the processes of presentation; the understanding of the listener's role in the speech situation; and professional study of the mass media of public address, radio and television.

In addition to the general speech curriculum, the department offers specialized courses in speech therapy. The student who desires training in this area may select a speech major with emphasis in speech therapy, or he may prepare for the credential to teach speech correction.

**BUILDING AND EQUIPMENT.** The Communication Arts Building, which houses the Speech Department, contains the following facilities: studios, control room and music library for KNFP, the 1700-watt educational broadcasting station operated by the College for training student broadcasters and radio technicians; speech auditorium and classrooms; speech and hearing clinic; speech practice rooms equipped with tape recorders; and offices and reception room.

**SPEECH AND HEARING CLINIC.** The Speech and Hearing Clinic serves an extensive community and provides practical experience for students in speech therapy. By arrangement with the head of the Speech Department, audiometric testing and clinical assistance are available to students with speech and hearing defects. A fee is charged for clinical services.

*Major Requirement, Emphasis in Public Address:* 32 hours, of which 18 must be in the upper division. Required courses: 5 or 61, 71, 85, 86, 91, 142, 143, 173. A second major in a cognate field is strongly advised.

*Minor Requirement, Emphasis in Public Address:* 20 hours, 10 in the upper division. Required courses: 5 or 71, 85, 86.

*Major Requirement, Emphasis in Speech Therapy:* 30 hours, 18 of which must be in the upper division. Required courses: 5 or 61, 71, 91, 121, 173, 174, 176, 181, 182. The following should be included in the curriculum: Psychology 5, 178; Education 153, 170.

## Speech

*Minor Requirement, Emphasis in Speech Therapy:* 20 hours, including 5 or 71, 91, 121, 173, 174, 176. The following courses from the Department of Education should be included in the curriculum: Psychology 5; Education 170.

### GENERAL SPEECH

#### 5. FUNDAMENTALS OF SPEECH (3)

Practical training in oral communication of ideas to others, including vocabulary building; self-appraisal and the evaluation of the speech of others. Offered either semester.

#### 51. BROADCAST TECHNIQUES I\* (1)

Introduction to radio announcing, continuity writing and control room operations, including preparation for Radio Operator's License, Third Class. One lecture and two hours of practicum each week, with on-the-air experience on Station KNFP. Either semester.

#### 52. BROADCAST TECHNIQUES II\* (1)

Continuation of Course 51, with more intensive studio and control room study, and with preparation for Radio Operator's License, Second Class. One lecture and two hours of practicum each week. Either semester.

Prerequisite: 51 or permission of the department.

#### 61. ORAL INTERPRETATION (2)

Practice in oral reading of poetry and prose, with suggestions for public presentation in a unified and spontaneous response of voice and body.

#### 71. BEGINNING PUBLIC ADDRESS (2)

The basic principles of public address, with emphasis on more advanced forms than those presented in 5. Offered either semester. Prerequisite: English 1-2.

Credit not allowed for both Speech 71 and 5.

#### 81, 82. INDIVIDUAL INSTRUCTION (1, 1)

Private work with an instructor designed to improve general speech habits. Permission of the department head.

#### 85. BROADCASTING I (3)

Orientation to and evaluation of various aspects of radio and television, including history, social significance and principles of station operation; field trips to nearby commercial studios; opportunity for on-the-air work at KNFP. Two hours of class instruction and one three-hour laboratory each week.

#### 86. BROADCASTING II (3)

Continuation of the study of sociological relationships of broadcasting; practice in the preparation, production and broadcasting of various types of programs; religious broadcasting; participation in KNFP staff responsibilities; field trips to nearby radio and television stations. Two hours of class instruction and one three-hour laboratory each week. Prerequisite: Speech 85 or equivalent.

#### 91. VOICE AND DICTION (2)

A study and practice of the principles of correct use of the voice, articulation, the elimination of throat fatigue.

Prerequisite: 2 hours of speech or permission of the department.

## Speech

101. **PROGRAM PLANNING AND PRODUCTION\*** (3)  
A study of the philosophies, standards, methodologies, and techniques of planning and producing secular and sacred programs. Designed to meet the needs of future lay or professional leaders. Two hours of class instruction and three hours laboratory each week, planning and producing programs for on-campus and off-campus appointments.
103. **PROJECTS IN INTERPRETATION** (1-3)  
Analysis of the philosophy and the performance of special types of literature. Group and individual instruction. Admission to the class by invitation of the instructor.
111. **PUBLIC PROCEDURE AND LEADERSHIP TRAINING** (3)  
The principles and practice of parliamentary law, with training in leadership.
121. **PHONETICS\*** (2)  
The international phonetic alphabet and its application to speech correction and to adequate pronunciation.  
Prerequisite: 2 hours of speech.
137. **RADIO — TV PRODUCTION\*** (2)  
Production and direction of various types of radio and television broadcasts.  
Prerequisite: Speech 85 and 86 or equivalent.
142. **PERSUASIVE SPEAKING** (3)  
Practice in securing acceptance of ideas with logical and emotional appeals.  
Prerequisite: Speech 5 or 71 or equivalent.
143. **PRINCIPLES OF DISCUSSION** (3)  
Principles and practice of group investigation of problems with a view to their solution by means of mutual comparison and evaluation of pertinent ideas.
152. **ADVANCED PUBLIC ADDRESS\*** (3)  
Specialized forms of public address with development of maximum effectiveness in platform techniques. The course will include a study of classical and modern orators.  
Prerequisite: Speech 5 or 71.
191. **GENERAL SEMANTICS** (3)  
A study of the significance of relative meaning in symbols, words, and actions. (Applicable on graduate work.)
- 195, 196. **SPECIAL PROBLEMS** (1, 1)  
Directed reading and research in speech problems.

### *Graduate courses:*

205. **THE BASES OF SPEECH** (3)  
The social, semantic, physiological, phonetic, neurological and psychological bases of speech.
211. **INTERPERSONAL COMMUNICATION** (3)  
A study of the acquisition of sensitivity in personal relationships in business and social situations.
220. **SPEECH COMPOSITION** (3)  
Application of principles of rhetoric to speech composition.
231. **AMERICAN PUBLIC ADDRESS** (3)  
History and Criticism of major American speakers and speeches with reference to the social, political, and intellectual background of their times.

# Speech

## SPEECH THERAPY

Completion of the following courses qualifies the student to teach exceptional children in elementary and secondary schools (area of specialization; speech correction and lip reading in remedial classes). The work is offered only in connection with general teaching preparation: elementary, kindergarten-primary, junior high, secondary.

### 121. PHONETICS (2)

(For description of course, see under General Speech.)

### 153. PRINCIPLES OF GUIDANCE (2)

(See Education 153.)

### 170. THE EXCEPTIONAL CHILD (2)

(See Psychology 170.)

### 173. BEGINNING SPEECH PATHOLOGY (3)

Development of natural speech. Basic functional disorders of speech, and methods for their prevention and correction.

### 174. ADVANCED SPEECH PATHOLOGY (3)

Etiology and treatment of organic speech disorders such as cleft palate, aphasia, and cerebral palsy.  
Prerequisite: Speech 173.

### 176. TEACHING OF LIP READING\* (2)

Theory and methods of lip reading; practice in presenting exercises in basic procedures. Analytic and synthetic approaches. (Offered summers only.)  
Prerequisite: Speech 121.

### 183. PROCEDURES AND MATERIALS IN SPEECH THERAPY (2)

Supervised observation of and counselling in methods of speech corrective work with school age children; construction of materials and equipment applicable to speech therapy.  
Prerequisites: Speech 173, 174; Education 165.

### 184. CLINICAL PRACTICE IN SPEECH CORRECTION (2)

Correction of speech defects under supervision; training in taking case histories, coordinating related findings, and conferring with parents and teachers.  
Prerequisites: Speech 173, 174, 183.

### 185. HEARING CONSERVATION AND AUDIOMETRY\* (2)

The nature of hearing and hearing loss; measurement and interpretation of reduced acuity; hearing conservation and education; auditory training and hearing aids. (Offered summers only.)

### 186. DIRECTED TEACHING IN SPEECH CORRECTION\* (4)

(See Education 190.)



## CURRICULUM FOR GENERAL SPEECH MAJOR

(Suggestive only)

	First Semester	Second Semester
<b>FRESHMAN YEAR</b>		
Fundamentals of Speech (Speech 5) . . . . .	3	
Freshman English (1-2) . . . . .	3	3
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
History of Western Civilization (History 52) . . . . .		3
General Psychology (5) . . . . .		3
Beginning Language . . . . .	3	3
(Not required of those who present two units of college entrance in the chosen language.)		
Applied Arts . . . . .	3	
Elective . . . . .	2	2
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

<b>SOPHOMORE YEAR</b>		
Fundamentals of Broadcasting (Speech 85-86) . . . . .	3	3
Voice and Diction (Speech 91) . . . . .	2	
Religion . . . . .	2	2
Oral Interpretation (Speech 61) . . . . .		2
General Education (63, 64) . . . . .	4	4
Intermediate Language . . . . .	3	3
Electives . . . . .	2	2
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16½	16½

<b>JUNIOR YEAR</b>		
Public Procedure (Speech 111) . . . . .	3	
Persuasive Speaking (Speech 142) . . . . .		3
American History and Institutions (History 91, 92) . . . . .	3	3
Literature . . . . .	2	2
Health Principles (Health 59) . . . . .		2
General Education (57 or 58) . . . . .		3
Beginning Speech Pathology (Speech 173) . . . . .		3
Speech or Cognate Electives . . . . .	8	
	16	16

<b>SENIOR YEAR</b>		
Religion . . . . .	2	2
Principles of Discussion (Speech 143) . . . . .	3	
Speech Electives . . . . .		3
Literature . . . . .	2	2
Cognate Electives . . . . .	9	9
	16	16

## CURRICULUM FOR SPEECH THERAPY MAJOR

(Suggestive only)

### FRESHMAN YEAR

	First Semester	Second Semester
Fundamentals of Speech (Speech 5) . . . . .		3
Freshman English (1-2) . . . . .	3	3
Life and Teachings of Jesus (Religion 1, 2) . . . . .	2	2
History of Western Civilization (History 52) . . . . .		3
Beginning Language . . . . .	3	3
(Not required of those who present two units of college entrance in the chosen language.)		
General Psychology (5) . . . . .	3	
General Education (Arts 70, Music 58) . . . . .	3	
Physical Education (7, 8) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
Electives . . . . .	2	2
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

### SOPHOMORE YEAR

Voice and Diction (Speech 91) . . . . .	2	
Oral Interpretation (Speech 62) . . . . .		2
Religion (51, 52 or 71, 72) . . . . .	2	2
General Education (63, 64) . . . . .	4	4
Intermediate Language . . . . .	3	3
Health Principles (59) . . . . .	2	
Applied Arts . . . . .		3
Electives . . . . .	3	2
Physical Education (55, 56) . . . . .	$\frac{1}{2}$	$\frac{1}{2}$
	16 $\frac{1}{2}$	16 $\frac{1}{2}$

### JUNIOR YEAR

Beginning Speech Pathology (Speech 173) . . . . .	3	
Advanced Speech Pathology (Speech 174) . . . . .		3
American History and Institutions (History 91, 92) . . . . .	3	3
The Exceptional Child (Psychology 170) . . . . .	2	
Principles of Guidance (Education 153) . . . . .		2
Literature . . . . .	2	2
Hearing Conservation and Audiometry (Speech 185) . . . . .	2	
Lip Reading (Speech 176) . . . . .		2
Phonetics (Speech 121) . . . . .	2	
Electives . . . . .	2	4
	16	16

### SENIOR YEAR

Procedures and Methods in Speech Therapy (Speech 183) . . . . .	2	
Clinical Practice in Speech Correction (Speech 184) . . . . .		2
Directed Teaching in Speech Correction (Speech 186) . . . . .	2	2
Language (143-144) . . . . .	1	1
Religion . . . . .	2	2
Abnormal Psychology (Psychology 178) . . . . .		3
Electives (including Speech) . . . . .	9	6
	16	16

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*Testing and Extension*  
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FRANK JUDSON, *Superintendent of Agriculture*  
HUGH A. MARLIN, *Superintendent of College Store*

<sup>°</sup>Off campus as director of the LSC Year Abroad 1962-63.



# FACULTY

## PROFESSORS

- WILFRED J. AIREY, Ph.D. *Professor of History*  
 B.A., Walla Walla College; M.A. and Ph.D., University of Washington.  
*La Sierra College, 1941-*
- MAXINE ATTEBERRY, M.S., R.N. *Professor of Professional Nursing*  
 (Dean, Loma Linda University, School of Nursing)  
 B.S., Pacific Union College; M.S., University of Southern California.
- PERRY BEACH, Ph.D. *Professor of Music*  
 B.S., University of Nebraska; M.A. and Ph.D., Eastman School of  
 Music. *La Sierra College, 1957-*
- L. W. BOTIMER, Ph.D. *Professor of Chemistry*  
 A.B., Emmanuel Missionary College; M.S., University of Maryland;  
 Ph.D., University of Maryland. *La Sierra College, 1960-*
- STANLEY BULL, Ph.D. *Professor of Education and Psychology*  
 B.A., American University of Cairo (Egypt); M.A., University of  
 Edinburgh (Scotland); Ph.D., University of Michigan. *La Sierra*  
*College, 1960-*
- LESTER H. CUSHMAN, M.S. *Professor of Physics*  
 B.A., Pacific Union College; M.S., University of Southern California.  
*La Sierra College, 1930-*
- LLOYD E. DOWNS, Ph.D. *Professor of Biology*  
 B.A., Pacific Union College; M.A., Pacific Union College; Ph.D.,  
 University of Southern California. *La Sierra College, 1944-*
- RONALD D. DRAYSON, Ph.D. *Professor of Education*  
 B.A., and B.Th., Walla Walla College; M.A., Seventh-day Adventist  
 Theological Seminary; Ph.D., Stanford University. *La Sierra College,*  
*1956-*
- H. RUSSELL EMMERSON, B.A., B.E. *Professor of Architectural Engineering*  
 B.A., Walla Walla College; B.E., University of Southern California.  
*La Sierra College, 1952-*
- EDNA S. FARNSWORTH, M.Mus. *Professor Emeritus of Music*  
 B.F.A. in Music, Nebraska Wesleyan University; M.Mus., Redlands  
 University. *La Sierra College, 1939-*
- HAROLD B. HANNUM, M.Mus. *Professor of Music*  
 B.A., Washington Missionary College; Teacher's Certificate (piano),  
 Peabody Conservatory; Associate of the American Guild of Organists;  
 M.Mus., Northwestern University. *La Sierra College, 1944-*
- J. CECIL HAUSSLER, Ph.D. *Professor of Religion*  
 B.A., Walla Walla College; M.A., Occidental College; Ph.D., Uni-  
 versity of Southern California. *La Sierra College, 1941-*
- D. GLENN HILTS, B.S. in L.S. *Professor of Library Science*  
 A.B., Union College; M.A., University of Nebraska; B.S. in L.S.,  
 University of Illinois; graduate work at the University of Chicago.  
*La Sierra College, 1948-*
- MARGARETE AMBS HILTS, Ph.D. *Professor of Modern Languages*  
 B.A., Emmanuel Missionary College; M.A., University of Southern  
 California; Ph.D., Western Reserve University; graduate work, Uni-  
 versidad Nacional de Mexico; La Sorbonne. *La Sierra College, 1938-*
- MAYBEL JENSEN, M.A. *Professor Emeritus of*  
*Elementary Teacher Education*  
 B.A., Union College; M.A., University of Southern California. *La*  
*Sierra College, 1925-*
- FRANK JUDSON, M.S. *Professor of Agriculture*  
 B.A., Madison College; M.S., University of Tennessee. *La Sierra*  
*College, 1948-*

## Faculty

- RALPH L. KOORENNY, Ph.D. *Professor of Economics and Business Administration*  
B.A., Walla Walla College; M.A., Washington State College; Ph.D., University of Colorado. *La Sierra College*, 1948-
- WILLIAM LANDEEN, Ph.D., LL.D. *Professor of History*  
B.A., Walla Walla College; Ph.D., University of Michigan; LL.D., Walla Walla College. *La Sierra College*, 1958-
- WILLIAM D. LEECH, Ph.D. *Professor of Chemistry*  
B.A., Union College; M.A., University of Southern California; Ph.D., California Institute of Technology. *La Sierra College*, 1952-
- RICHARD B. LEWIS, Ph.D. *Professor of English*  
B.A., Pacific Union College; M.A., University of Southern California; Ph.D., Stanford University. *La Sierra College*, 1961-
- THOMAS A. LITTLE, Ph.D. *Professor of English*  
B.A., Washington Missionary College; M.A., University of North Carolina; Ph.D., University of Nebraska. *La Sierra College*, 1949-
- ROSCOE S. LOWRY, Ed.D. *Professor of Education*  
B.A., Pacific Union College; M.A., University of Denver; Ed.D., University of Southern California. *La Sierra College*, 1962-
- FABIAN A. MEIER, Ed.D. *Professor of Education*  
B.A., Union College; M.A., Ohio State University; Ed.D., University of Maryland. *La Sierra College*, 1962-
- MERLIN L. NEFF, Ph.D. *Professor of English*  
B.A., Pacific Union College; M.A., University of Washington; Ph.D., University of Washington. *La Sierra College*, 1961-
- ANDREW N. NELSON, Ph.D. *Professor of Education*  
B.A., Walla Walla College; Ph.D., University of Washington. *La Sierra College*, 1961-
- IRENE E. ORTNER, M.A. *Professor of Secretarial Science*  
B.A., Atlantic Union College; M.A., Boston University; graduate work, University of Southern California; Certified Professional Secretary. *La Sierra College*, 1944-
- JAMES RIGGS, Ph.D. *Professor of Physics*  
B.A., La Sierra College; M.S. and Ph.D. Agricultural and Mechanical College of Texas. *La Sierra College*, 1947-
- GEORGE T. SIMPSON, Ed.D. *Professor of Education and Psychology*  
B.A., Walla Walla College; M.A., University of Denver; Ed.D., Columbia University. *La Sierra College*, 1947-
- WALTER F. SPECHT, Ph.D. *Professor of Biblical Languages and Religion*  
B.Th., Walla Walla College; M.A., Seventh-day Adventist Theological Seminary; Ph.D., University of Chicago. *La Sierra College*, 1945-
- W. FLETCHER TARR, Ph.D. *Professor of Speech*  
B.A., Pacific Union College; B.A., University of South Africa; M.A., Redlands University; Ph.D., University of Denver. *La Sierra College*, 1957-
- \*JULIAN L. THOMPSON, Ph.D. *Professor of Physics*  
B.S., Pacific Union College; M.S., University of Oklahoma; Ph.D., University of Chicago. *La Sierra College*, 1946-

## ASSOCIATE PROFESSORS

- LILLIAN L. BEATTY, M.A. *Associate Professor of English*  
B.A., Walla Walla College; M.A., Stanford University; graduate work, University of Southern California. *La Sierra College*, 1946-
- FRANCES L. BROWN, M.A. *Associate Professor of Music*  
B.A., Pacific Union College; M.A., University of Southern California; graduate work, University of Redlands. *La Sierra College*, 1943-47; 1953-

\*On leave, 1962-1963.

## Faculty

- WILBER ALEXANDER, Ph.D. *Associate Professor of Applied Theology*  
B.A., La Sierra College; M.A., Seventh-day Adventist Seminary; Ph.D., Michigan State University. *La Sierra College, 1954-*
- MARY PHILMON BYERS, M.S. *Associate Professor of Home Economics*  
B.S., School of Dietetics, College of Medical Evangelists; M.S., Columbia University. *La Sierra College, 1954-*
- H. ALLEN CRAW, M.Mus. *Associate Professor of Music*  
B.A., Emmanuel Missionary College; M.Mus., North Texas State College; graduate work, Eastman School of Music and University of Southern California. *La Sierra College, 1950-*
- MARY WITCHEY GROOME, M.A. *Associate Professor of Elementary Teacher Education*  
B.A., University of Redlands; M.A., Claremont Graduate School; graduate work, University of Denver. *La Sierra College, 1938-*
- JOHN T. HAMILTON, M.Mus. *Associate Professor of Music*  
B.Mus. and M.Mus., Northwestern University. *La Sierra College, 1947-*
- FREDERICK G. HOYT, M.A. *Associate Professor of History and Political Science*  
B.A., La Sierra College; M.A., Claremont Graduate School. *La Sierra College, 1955-*
- LUELLA LATHAM KRETSCHMAR, M.S. *Associate Professor of Chemistry*  
B.S. and M.S., University of Washington; graduate study, University of Chicago, University of Southern California, and University of California. *La Sierra College, 1952-*
- EARL LATHROP, Ph.D. *Associate Professor of Botany*  
B.A. and M.A., Walla Walla College; Ph.D., University of Kansas. *La Sierra College, 1957-*
- DONALD LEE, Ph.D. *Associate Professor of Science Education and Physics*  
B.A., Emmanuel Missionary College; M.A., Ohio State University; Ph.D., New York University. *La Sierra College, 1959-*
- HELEN F. LITTLE, M.A. *Associate Professor of English*  
B.A., Union College; M.A., University of Nebraska; Graduate study, Harvard University and University of Southern California. *La Sierra College, 1950-*
- LAWRENCE E. MOBLEY, Ph.D. *Associate Professor of English*  
B.A., Emmanuel Missionary College; M.A., University of Michigan; Ph.D., Michigan State University. *La Sierra College, 1952-*
- MARY COLBY MONTEITH, M.A., R.N. *Associate Professor of Health Education*  
B.S., Walla Walla College; M.A., University of Southern California. *La Sierra College, 1958-*
- WILLIAM J. NAPIER, M.S. *Associate Professor of Physical Education*  
B.A., Union College; M.S., University of Colorado. *La Sierra College, 1950-*
- H. RAYMOND SHELDEN, M.S. *Associate Professor of Chemistry*  
B.S., Emmanuel Missionary College; graduate work, Indiana University; M.S., University of Colorado. *La Sierra College, 1948-*



## Faculty

- CHLOE ADAMS SOFSKY, B.A., M.F.A. *Associate Professor of Art*  
B.A., Union College, B.F.A., University of Nebraska; M.F.A., Claremont Graduate School. *La Sierra College, 1945-*
- J. J. WALCKER, M.Ed. *Associate Professor of Industrial Education*  
B.S., Walla Walla College; M.Ed., Walla Walla College. *La Sierra College, 1962-*
- ALFRED WALTERS, M.Mus. *Associate Professor of Music*  
B.S., Fredonia State Teachers College; M.Mus., Boston University; graduate work, Northwestern University. *La Sierra College, 1947-*

## ASSISTANT PROFESSORS

- \*GEORGE H. AKERS, M.A. *Assistant Professor of Education*  
B.A., Washington Missionary College; M.A., Temple University. *La Sierra College, 1959-*
- GRACE DEJESUS CERDA ALVAREZ, Ph.D. *Asst. Professor of Modern Languages*  
B.A., Hunter College; M.A., Columbia University; Ph.D., University of Southern California. *La Sierra College, 1949-*
- HILMER W. BESEL, M.A. *Assistant Professor of Mathematics*  
B.A., Union College; M.A., University of Nebraska; graduate work, Temple University. *La Sierra College, 1960-*
- NANCY MURDOCH BULL, M.A. *Assistant Professor of English*  
B.A., Emmanuel Missionary College; M.A., Pacific Union College. *La Sierra College, 1960-*
- PAUL O. CAMPBELL, M.A. *Assistant Professor of Speech*  
B.A., Pacific Union College; M.A., George Pepperdine College. *La Sierra College, 1962-*
- FONDA CHAFFEE, M.S. *Assistant Professor of Home Economics*  
B.S. and M.S., College of Medical Evangelists. *La Sierra College, 1956-*
- WALTER COMM, M.A. *Assistant Professor of Religion*  
B.A., Pacific Union College; M.A., Seventh-day Adventist Theological Seminary. Graduate study, University of California, Berkeley. *La Sierra College, 1962-*
- DANIEL L. COTTON, B.D. *Assistant Professor of Religion*  
B.A., Pacific Union College; M.A., Seventh-day Adventist Theological Seminary; B.D., SDA Theological Seminary. *La Sierra College, 1962-*
- CHARLES C. CRIDER, Ph.D. *Assistant Professor of Sociology*  
B.A., Washington Missionary College; M.A., Seventh-day Adventist Theological Seminary; Ph.D., University of Southern California. *La Sierra College, 1959-*
- LEE A. DAVIS, M.S. *Assistant Professor of Agriculture*  
Graduate work. Ohio State University and Oklahoma Agricultural and Mechanical College. *La Sierra College 1958-*
- \*DONALD DICK, M.A. *Assistant Professor of Speech*  
B.A., Union College; M.A., University of Nebraska. *La Sierra College, 1957-*
- HERALD A. HABENICHT, M.A. *Assistant Professor of Agriculture*  
B.S., Emmanuel Missionary College; M.A., University of Michigan. *La Sierra College, 1955-*
- HOPE H. HAYTON, B.S. in L.S., Ph.D. *Assistant Professor of French*  
A.B., Pacific Union College; M.A., B.S. in L.S., and Ph.D., University of Southern California. *La Sierra College, 1946-*
- ROBERT HERVIC, M.B.A. *Assistant Professor of Business Administration*  
B.A., Emmanuel Missionary College; M.B.A., Northwestern University. *La Sierra College, 1941-43, 1957-*
- \*On leave, 1962-1963.



## Faculty

- G. A. HOUCK, M.S. *Assistant Professor of Agriculture*  
B.S., Emmanuel Missionary College; M.S., Michigan State College.  
*La Sierra College, 1956-*
- JERRY LIEN, M.A. *Assistant Professor of Speech*  
B.A., Union College; M.A., Andrews University. Graduate work, University of Southern California. *La Sierra College, 1960-*
- KALJO MAGI, M.A. *Assistant Professor of Modern Languages*  
B.A., Atlantic Union College; Cand. Phil., University of Uppsala; M.A., New York University; graduate work, New York University.  
*La Sierra College, 1958-*
- HAROLD R. MILLIKEN, M.A. *Assistant Professor of Biology*  
B.A., Atlantic Union College; M.A., University of Virginia. *La Sierra College, 1961-*
- PRUDENCE G. ORTNER, M.A. *Assistant Professor of Secretarial Science*  
B.A., Union College; M.A., Colorado State College; Graduate Work, Colorado University, Andrews University. *La Sierra College, 1962-*
- GRACE PRENTICE, M.S. *Assistant Professor of Library Science*  
B.A., Walla Walla College; M.S., University of Illinois. *La Sierra College, 1959-*
- ROYAL SAGE, M.A., B.D. *Assistant Professor of Biblical Languages*  
B.A., La Sierra College; M.A. and B.D., Seventh-day Adventist Theological Seminary. *La Sierra College, 1956-*
- YVONNE PASHER SONNELAND, M.H.E. *Assistant Professor of Home Economics*  
B.S., La Sierra College; M.H.E., Oregon State University. *La Sierra College, 1952-*
- M. J. SORENSON, Ph.D. *Assistant Professor of Religion*  
B.A., Union College; M.A. and Ph.D., University of Nebraska; graduate work, Seventh-day Adventist Theological Seminary. *La Sierra College, 1959-*
- E. A. WIDMER, M.A. *Assistant Professor of Biology*  
B.A., Union College; M.A., University of Colorado. *La Sierra College, 1953-*

## INSTRUCTORS

- BENNY A. BARNES, B.A. *Instructor in Art*  
B.A., La Sierra College; graduate work, Otis Art Institute. *La Sierra College, 1961-*
- \*J. W. BIELICKI, B.S. *Instructor in Physical Education*  
B.S., Pennsylvania State University. *La Sierra College, 1956-*
- BETTE A. BROWN, B.A. *Instructor in Home Economics*  
B.A., Walla Walla College; B.S., College of Medical Evangelists. *La Sierra College, 1961-*
- MOSES A. CHALMERS, B.M.E. *Instructor in Music*  
B.M.E., La Sierra College; graduate work, University of Southern California. *La Sierra College, 1960-*
- VIKTOR CHRISTENSEN, M.A. *Instructor in Physical Education*  
B.A., La Sierra College; M.A., Fresno State College. *La Sierra College, 1962-*
- FRITZ GUY, B.D. *Instructor in Religion*  
B.A., La Sierra College; M.A., Seventh-day Adventist Theological Seminary; B.D., Andrews University. *La Sierra College 1961-*
- BARBARA REEL HARSANY, B.S. *Instructor in Physical Education*  
B.S., Walla Walla College. Graduate work, University of Southern California. *La Sierra College, 1959-*
- WILFRED HILLOCK, M.B.A. *Instructor in Business Administration*  
B.S., La Sierra College; M.B.A., Indiana University. *La Sierra College, 1962-*
- HERSCHEL HUGHES, B.A. *Instructor in Art*  
B.A., Pacific Union College; Graduate work, Fresno State College. *La Sierra College, 1962-*

\*On leave, 1962-1963.

## Faculty

- ROBERT HUNTER, M.A. *Instructor in Religion*  
B.A., Pacific Union College; M.A., Andrews University. *La Sierra College*, 1961-
- JANET JACOBS, B.A. *Instructor in Education*  
B.A., Union College; graduate work, University of Illinois and Claremont Graduate School. *La Sierra College*, 1958-
- RICHARD C. LARSON, M.A. *Instructor in Business Administration*  
B.S., La Sierra College; M.A., and additional graduate work, Michigan State University. *La Sierra College*, 1959-
- ELWOOD MABLEY, M.S. in L.S. *Instructor in Library Science*  
B.A., Walla Walla College; M.S. in L.S., University of Southern California. *La Sierra College*, 1956-
- EUGENE NASH, B.A. *Instructor in Music*  
B.A., La Sierra College; graduate work, University of Southern California. *La Sierra College*, 1957-
- C. A. OLIPHANT, M.A. *Instructor in Journalism*  
B.A., La Sierra College; M.A., University of California at Los Angeles; Graduate work, University of California at Los Angeles. *La Sierra College*, 1962-
- GEORGE PLATNER, M.Ed. *Instructor in Education*  
B.A., M.S., and M.Ed., University of California; Graduate work, Baylor University. *La Sierra College*, 1962-
- DORIS ROBERTSON, B.S. *Instructor in Secretarial Science*  
B.S., Union College. *La Sierra College*, 1961-
- VIVIAN SMITH, M.A. *Instructor in English*  
B.A., Walla Walla College; M.A., Pacific Union College. *La Sierra College*, 1962-
- MARILYN TEELE, M.Ed. *Instructor in Education*  
B.A., Atlantic Union College; M.Ed., Boston University. *La Sierra College*, 1961-
- TRACY R. TEELE, M.Ed. *Instructor in Education*  
B.A., Atlantic Union College; M.Ed., Boston University; Graduate work, Boston University. *La Sierra College*, 1961-

## LA SIERRA ACADEMY AND ELEMENTARY SCHOOL

- WILLIAM G. NELSON, M.A. *Principal*  
B.A., Union College; M.A., University of Denver. *La Sierra College*, 1958-

## ACADEMY

- D. CECIL BARR, M.Ed. *Vocational Counselor*  
B.A., Wichita University; M.Ed., Texas Christian University; graduate work, University of California at Los Angeles and Claremont College. *La Sierra College*, 1949-
- MARJORIE BARR *Registrar*  
Wichita University, University of California at Riverside, La Sierra College. *La Sierra College*, 1961-
- LESLIE CORDRAY *Attendance Clerk, Office Secretary*  
Pacific Union College, La Sierra College. *La Sierra College*. 1961-
- REUBEN HILDE, M.A. *Supervising Teacher in Religion*  
B.A., La Sierra College; M.A., Seventh-day Adventist Theological Seminary. *La Sierra College*, 1959-
- IRMA LEE HORNING, B.A. *Supervising Teacher in English and Librarian*  
B.A., Pacific Union College. *La Sierra College*, 1961-

## Faculty

- MADALYN LATHROP, B.A. *Supervising Teacher in Home Arts*  
B.A., Walla Walla College. *La Sierra College*, 1958-
- CORA LUGENBEAL, M.A. *Supervising Teacher in English and Spanish*  
B.A., Emmanuel Missionary College; M.A., Long Beach State College.  
*La Sierra College*, 1959-
- VIRGINIA MABLEY, B.A. *Supervising Teacher in Secretarial Science*  
B.A., Walla Walla College. *La Sierra College*, 1956-
- WARREN MINDER, B.A. *Supervising Teacher in Biology*  
*Mathematics, and Physiology*  
B.A., La Sierra College. *La Sierra College*, 1959-
- LEONARD MOORE *Choral Music, Voice*  
La Sierra College. *La Sierra College*, 1960-
- FRANK V. NOVELLO, M.A. *Supervising Teacher in Bible and History*  
B.A., Atlantic Union College; M.A., Seventh-day Adventist Theological Seminary. *La Sierra College*, 1957-
- CHANNEL A. ROCKWELL, B.A. *Accountant, Bookkeeping*  
B.A., La Sierra College. *La Sierra College*, 1956-
- VERNON L. SCHEFFEL, B.S. *Supervising Teacher in Physical Education*  
B.S., La Sierra College; graduate work, University of Southern California. *La Sierra College*, 1960-
- CARL W. SPECHT, M.A. *Supervising Teacher Science and Mathematics*  
B.A., Union College; M.A., Colorado State College. *La Sierra College*  
1959-
- ROBERT WARNER, M.Mus. *Supervising Teacher in Band*  
B.A., Iowa State Teachers College; M.Mus., Northwestern University.  
*La Sierra College*, 1952-
- HELEN WEISMAYER, B.A. *Supervising Teacher in Physical Education*  
B.A., La Sierra College. *La Sierra College*, 1962-

## ELEMENTARY SCHOOL

- GEORGE CARPENTER, M.Ed. *Principal, Elementary School*  
B.A., Union College; M.Ed., Texas Wesleyan College. *La Sierra College*, 1960-
- CLIFFORD ACKERMAN, B.A. *Supervising Teacher, Grades 6 and 7*  
B.A., Walla Walla College; graduate work, Redlands University,  
Potomac University. *La Sierra College*, 1957-
- ROSA LEE BECKER, B.A. *Supervising Teacher, Grade 2*  
B.A., Union College. *La Sierra College*, 1961-
- MYRA CAO, B.A. *Supervising Teacher, Grade 6*  
B.A., La Sierra College; Graduate work, La Sierra College. *La Sierra College*, 1960-
- LUCETTA COCHRAN, B.S. *Supervising Teacher, Grade 1*  
B.S., La Sierra College; Graduate work, Claremont College and La  
Sierra College. *La Sierra College*, 1961-
- KATHRYN A. HABENICHT, B.A. *Supervising Teacher, Grade 5*  
B.A., Emmanuel Missionary College; graduate work, University of  
California at Riverside. *La Sierra College*, 1957-
- MAUDE PEARSON, B.A. *Supervising Teacher, Grade 3*  
B.A., La Sierra College. *La Sierra College*, 1957-
- ROLAND RHYNUS, M.A. *Supervising Teacher, Grade 8*  
B.A., Atlantic Union College; M.A., Seventh-day Adventist Theological  
Seminary. *La Sierra College*, 1957-
- MARGARET SACKETT, B.S. *Supervising Teacher, Multiple Grades*  
B.S., Pacific Union College. *La Sierra College*, 1961-

## Graduates

- HELEN SWENSON, M.A. *Supervising Teacher, Grade 4*  
 B.S., University of Denver; M.A., Long Beach State College. *La Sierra College, 1948-*
- MILTON THORMAN *Supervising Teacher, Grade 7*  
 La Sierra College. *La Sierra College, 1960-*
- GENEVIEVE TOMLINSON, B.A. *Supervising Teacher, Grade 1*  
 B.A., Walla Walla College; graduate work, Long Beach State College. *La Sierra College, 1954-*
- ARLENE WEBB, B.S. *Supervising Teacher, Grade -*  
 B.S., Pacific Union College. *La Sierra College, 1962-*
- STELLA WESTERMAYER, B.A. *Supervising Teacher, Grade 8*  
 B.A., Walla Walla College. *La Sierra College, 1961-*
- MARY WOODWARD, B.A. *Supervising Teacher, Grade 2*  
 B.A., Pacific Union College; graduate work, University of Southern California, University of Nebraska. *La Sierra College, 1947-*

## GRADUATES OF 1961

### BACHELOR OF ARTS

- |                             |                               |
|-----------------------------|-------------------------------|
| William Merle Allen         | Dennis Elvin Leavelle         |
| Carl N. Allinder            | Donald Bruce Lemaster         |
| Luther Norman Allred        | Edward Norman Lugenbeal       |
| Dennis Kent Anderson        | Clement Edward Lumley III     |
| Diana Marie Ashley          | Frank Lynn Mallery            |
| Warren Sidney Ashworth      | Marcia Marie Miracle          |
| Benny A. Barnes             | Charles William Mitchell      |
| Joseph John Battistone      | David Sherman Morrison        |
| Duane Stanley Bietz         | Carolyn Ruth Nelson           |
| Alan Edward Bohman          | Robert Arnold Neufeld         |
| Nancy Jane Bray             | Linda Lou Oster               |
| Donald Eugene Conrad        | John Ernest Parrish           |
| Cynthia Sstelle Cooley      | Phyllis Raye Gooch Pfeiffer   |
| Donald James Ivan Cowper    | Patricia Ann Phillips         |
| Robert Charles Davidson     | Joshua Edson Price, Jr.       |
| Alvida Louise Brand Davis   | Jon Albert Reiswig            |
| Floyd Ernest Denney         | Justus Alfred Norman Richards |
| Kent Edward Durden          | Vernon Martin Robeson         |
| Thoralf Peder Fonnebo       | Gary Meredith Ross            |
| Gary Kent Frykman           | Ronald Lamar Rothe            |
| Marsha June Grant           | Don Lee Schuld                |
| Lorayne Helen Gray          | Charles Kingsford Sylber      |
| Jan Calvert Green           | Anthony Tarango               |
| Karl Katsumi Hanaoka        | Carol Elizabeth Traylor       |
| Wesley Richard Herbert, Jr. | Helen Frances Tupper          |
| Robert Marsh Irwin          | Marilyn Carol Turner          |
| Alger Herbert Johns         | Douglas Jonathan Wear         |
| Lisa Johnson                | Milton Ellsworth Wheeler      |
| Carolyn Edna Keiger         | James Ludwig Wolfson          |
| William Jay Key             | Clarence Archibald Wood       |
| Sang U. Kim                 | Melvyn Teik Lock Yeo          |
| Alfred Nelson Kosky         | Charles Garner Young          |



## Enrollment Analysis

### BACHELOR OF SCIENCE

Rossie Ola Felts Adams	James Paul McNair
Mary Ella Alexander	Charlotte Adelle Miles
Robert Charles Bevins	Mie Ocho
Phyllis June Boehrig	Mary Fumiko Ohashi
Shirley Pappas Cronin	Larry Oscai
Donna Shay Pynn Dang	Loretta Oak Chal Park
Sally Jo Davidian	Maude Deming Pearson
Eva Maye Etheridge	Dorothea Belle Pitts
Roger Edwin Fisher	Julia Irene Rowe
Annette Louise Willess Frykman	Louise Marie Runge
Darlene Lorraine Gosney	Betty Mae Sanders
Joseph Alan Hagen	Hugo David Schmidt
Susan Mae Hanson	James Abbott Smith
Lawrence Vermont Hawkins	Hayward G. Spangler
Sherrill Elayne Heaton	Betty Jane Stahl
Titus James Henderson, Jr.	Edward Lewis Taylor
Evelyn Louise Hughes	Clara M. Wessels
Darlene K. Imai	Sumiko Yano Yoshimura
Nancy Louise Larsen	

### BACHELOR OF MUSIC EDUCATION

Orlo Ray Gilbert

### ENROLLMENT ANALYSIS, 1961-62

Regular Semesters:	Men	Women	Total
Freshmen	257	243	500
Sophomores	134	69	203
Juniors	159	92	251
Seniors	70	40	110
Graduates and Postgraduates	28	39	67
Special	3	5	8
Extension	26	57	83
	<hr/> 677	<hr/> 545	<hr/> 1222
Summer Session, 1961:	Men	Women	Total
Freshmen	16	22	38
Sophomores	17	20	37
Juniors	41	41	82
Seniors	29	33	62
Graduates and Postgraduates	35	28	63
Special	2	5	7
	<hr/> 140	<hr/> 149	<hr/> 289

# Index

Absences .....	31	Agriculture .....	52
Academic Information .....	27	Art .....	57
Academic Regulations and Policies.....	27	Biblical Languages .....	61
Accident and Sickness Insurance .....	22	Biology .....	62
Accounting .....	73	Building Construction .....	67
Accreditation .....	6	Business Administration .....	70
Administration, Officers .....	148	Chemistry .....	74
Admission .....	12	Education, Elementary and Secondary .....	78
Advanced Standing .....	13	English .....	85
By examination .....	13	German .....	89
Freshmen .....	12	Health, Physical Education, and Recreation .....	92
Graduate Standing .....	38	History .....	96
Provisional .....	13	Home Economics .....	99
Veterans .....	13	Journalism .....	104
Advanced Placement .....	30	Library Science .....	105
Advancement to Candidacy .....	39	Mathematics .....	105
Agriculture .....	52	Music .....	107
Alumni Association .....	18	Physics .....	115
Application Fees .....	19	Psychology .....	120
Application Procedure .....	12	Religion, Religious History, Philosophy, Applied Theology....	121
Applied Music .....	108	Romance Languages (French and Spanish) .....	127
Art .....	57	Secretarial Science .....	131
Attendance .....		Social Sciences .....	135
Chapel .....	31	Speech .....	141
Class .....	31	Credentials .....	40
Automobile Registration .....	23	Degrees and Certificates .....	33
Bachelor of Arts Degree .....	33	Dental Hygiene .....	45
Bachelor of Music Education Degree	34, 37	Dentistry .....	45
Bachelor of Science Degree .....	34, 37	Deposits .....	
Band, Concert .....	112	Guarantee .....	19
Basic Requirements .....	35, 36	Room .....	21
Biblical Languages .....	61	Dietetics .....	40
Biology .....	62	Divisions of Instruction .....	51
Board .....	21	Dormitory Residence .....	14
Board of Trustees .....	147	Economics .....	135
Brass and Woodwinds .....	109	Education .....	78
Breakage Tickets .....	22	Elementary Teacher Education .....	83
Building Construction .....	67	Engineering .....	45
Bulletin of Graduation .....	37	English .....	85
Business Administration .....	70	Enrollment Analysis .....	157
Calendar of Events .....	5	Entrance Requirements .....	34
Campus, Location and Buildings .....	9	Entrance Tests .....	27
Campus, Organizations and Activities	15	Examinations .....	
Cash on Account .....	23	Special .....	31
Certification .....	40	Waiver .....	30
Change of Program .....	28	Extension Education .....	30
Chapel Attendance .....	31	Faculty .....	149
Chemistry .....	74	Fees .....	
Choirs .....	112	Accident Insurance .....	22
Class Attendance .....	31	Application .....	19
Class Load Control .....	28	Health Service .....	22
Classification of Students .....	32	Late Registration .....	20
Clothing and Textiles .....	101	Music .....	20
Clubs .....	15	Parking .....	23
College Store .....	23	Semester .....	20
Colporteurs .....	26		
Conduct, Principles of .....	18		
Correspondence Work .....	30		
Course Numbers .....	52		
Courses of Instruction .....	52		

# Index

Special .....	20	Numbering System .....	52
Breakage .....	22	Nursing .....	48
Field Trip .....	22	Objectives of the College .....	6
Speech .....	20	Occupational Therapy .....	48
Transcript .....	23	Orchestra .....	112
Field Trips .....	22	Organ .....	109
Financial Information .....	19	Orientation .....	13
Foods and Nutrition .....	100	Parking Fee .....	23
French .....	127	Payments .....	23
General Education .....	35, 89	Pharmacy .....	49
General Information for Students .....	12	Philosophy .....	124
German .....	89	Physical Education .....	92
Grading System .....	31	Physical Education Program .....	15
Graduate Division .....	33	Physical Therapy .....	49
Graduate Study .....	37	Physics .....	115
Admission to Graduate Standing .....	38	Piano .....	109
Advancement to Candidacy .....	39	Placement Service .....	14
Classification of Student Standing .....	38	Plant Science .....	63
General Requirements .....	38	Political Science .....	136
Masters Degree .....	38	Pre-professional Programs .....	44
Graduates of 1961 .....	156	Dentistry .....	45
Graduation Requirements .....	35, 36	Dental Hygiene .....	45
Grants in Aid .....	24	Engineering .....	45
Greek .....	61	Law .....	46
Guarantee Deposit .....	19	Medicine .....	46
Guidance Program .....	14	Medical Records Administration .....	47
Health, Physical Education, and Recreation .....	92	Medical Technology .....	47
Health Service .....	14	Nursing .....	48
Hebrew .....	61	Occupational Therapy .....	48
History .....	96	Pharmacy .....	49
History of College .....	6	Physical Therapy .....	49
Hispanic-American Studies .....	97	Social Work .....	49
Home Economics .....	99	X-Ray Technology .....	50
Honors .....	29	Private Lessons, Music and Speech .....	20
Incomplete Removals .....	32	Professional Programs .....	40
Institutional Management .....	102	Dietetics .....	40
Insurance, Accident and Sickness .....	22	Public Relations .....	41
Journalism .....	104	Secondary Teaching in Science and Mathematics .....	41
Labor Credit .....	24	Stenography .....	43
Late Registration .....	20	Theology .....	43
Latin .....	61	Program Changes .....	28
Law .....	46	Psychology .....	120, 137
Library Science .....	105	Public Relations .....	41
Loans .....	24	Publications .....	17
Lower Division .....	32	Rebates .....	23
Majors .....	33, 36	Recreation .....	92
Mathematics .....	105	Registration .....	27
Medical Care .....	22	Religion .....	121
Medical Examinations .....	12	Requirements .....	
Medical Records Administration .....	47	Basic .....	35
Medical Technology .....	47	Entrance .....	34
Medicine .....	46	Over-all .....	36
Minors .....	34, 36	Residence, on and off campus .....	14
Music .....	107	Residence Requirements .....	36
Music Education .....	114	Romance Languages .....	127
Music Fees .....	20	Room Rent .....	21
Music Organizations .....	112	Scholarship Awards .....	24
		Scholarship Probation .....	28
		Scholarship Reports .....	32

## Index

Secondary Education .....	78	Summer School Rates .....	19
Secondary Teaching of Science		Teacher Education .....	83
and Mathematics .....	41	Theology .....	43, 126
Secretarial Science .....	131	Transcripts .....	23
Semester Hour .....	31	Transfer Credits .....	31
Social Sciences .....	135	Tuition Rates .....	19
Social Work .....	49	Undergraduate Study .....	34
Sociology .....	137	Upper Division .....	32
Spanish .....	130	Veterans .....	13, 25
Speech Therapy .....	144, 146	Violin .....	109
Speech .....	141	Voice .....	109
Special Students .....	33	Waiver Examinations .....	30
Special Examinations .....	31	Withdrawal from Classes .....	28
Speech Fees .....	20	X-Ray Technology .....	50
Stenography .....	43	Year Abroad .....	29
Student Aid .....	24	Zoology .....	64
Student Bank .....	24		
Student Personnel Service .....	13		
Studies for Honors .....	29		
Summer Sessions .....	5, 50		



(A student seeking entrance at the graduate level must also apply for graduate standing.)

apply for graduate standing.)

27

**Yes**

No

## Secondary

## Elementary

## Other

as you have attended. If you  
from start of high school and

Degree  
Earned

Date of Attendance

Reason for Leaving

Address

City

State

Name \_\_\_\_\_

Address

City

State

Name \_\_\_\_\_

Address

City

State

Name \_\_\_\_\_

Address

City

State

Name \_\_\_\_\_

Address

City

State

Name \_\_\_\_\_

Address \_\_\_\_\_

City

State

Name \_\_\_\_\_

Address

City

State

LA SIERRA COLLEGE  
APPLICATION FORM

The applicant will complete this form in ink and forward it to the Admissions Office, La Sierra College, La Sierra, California. An application fee of \$5 (not required of a former student) and a small photograph must be included before this application can be presented to the Admissions Committee.

APPLICANT

Name .....  
Last Name                      Mr., Mrs., or Miss                      First Name                      Middle Name                      Maiden Name                      Husband's First Name

Address .....  
Number and Street                      City and Zone                      State and Nation                      Telephone Number

Single..... Married..... Separated..... Divorced..... Widowed ..... Number of dependents .....

Birthplace ..... Date of Birth .....  
City                      State and Country                      Month                      Day                      Year

Citizenship ..... If not American citizen, type of visa? .....

Church Preference ..... Name and location of church holding your membership .....

.....  
Name of Church

.....  
Address

Do you plan on bringing or having available for use an automobile while at LSC? ..... (Note: Freshmen are not permitted this privilege)

Will you live in one of the college residence halls? ..... If not, with whom will you live? .....

.....  
Name

.....  
Address

.....  
Telephone Number

(Single students whose homes are not in the La Sierra vicinity are expected to live in the college dormitories. Exceptions may be granted, in unusual circumstances, on petition to the Office of the Dean of Students.)

ACADEMIC INFORMATION

When do you plan to attend La Sierra College?.....  
Year                      Fall Semester                      Spring Semester                      Summer

Do you plan to become a candidate for a degree? .....  
Yes                      No                      Bachelor's Degree                      Master's Degree

If so, in what field will you major? .....  
If not, in what professional program will you enroll? .....  
(A student seeking entrance at the graduate level must also apply for graduate standing.)

Do you plan to qualify for a teaching credential? .....  
Yes                      No                      Secondary                      Elementary                      Other

List in order of dates of attendance all secondary schools, junior colleges, colleges or other institutions you have attended. If you were out of school for any period indicate activities during that period. (These data must be complete from start of high school and until the present time.)

Name and location of school

Degree  
Earned

Date of  
Attendance

Reason for  
Leaving

Name

Address

City

State

Name

Address

City

State

Name

Address

City

State

Name

Address

City

State

Name

Address

City

State

Name

Address

City

State

Name

Address

City

State



## REFERENCES

Name three persons, not related to you, who can give statements as to your qualifications for college work. (These references should be names of responsible business persons, teachers, ministers, or professional people who know you.)

1.	Name	Occupation
	Number and Street	City State
2.	Name	Occupation
	Number and Street	City State
3.	Name	Occupation
	Number and Street	City State

Attach picture here

## HEALTH

Do you consider your general health      Excellent ..... Fair .....  
Good ..... Poor .....      Height ..... Weight .....

Do you have any physical handicaps? ..... If so, give nature of such handicap .....

## FAMILY

Father's name in full ..... Mother's name in full .....

Place of Birth ..... Place of Birth .....

Nationality ..... Nationality .....

Occupation ..... Occupation .....

Legal guardian, if other than your father .....

Permanent address of parent or guardian .....  
Street and Number
City and Zone
State

## FINANCES

Do you have an unpaid school account? ..... If so, how much? ..... Where? .....

Are you responsible for your own school account? ..... If not, give name and address of parent or guardian who will be responsible for the payment of your account .....

What amount will you need to earn by work to be provided by the college? \$.....

How much cash will you have over and above the guarantee deposit to apply on your school expenses (1) at the time of registration

\$..... (2) monthly thereafter \$.....

I certify that, to the best of my knowledge, the information given above is complete and accurate. As a prospective student of La Sierra College, I have familiarized myself with the rules of conduct as officially approved for students of that college, including total abstinence from tobacco and alcoholic beverages in any form. I hereby pledge my sympathetic cooperation in adhering to the regulations of the college as officially printed or announced.

Signature of applicant

Signature of parent or guardian (of minor applicant)

Date of application



# LA SIERRA COLLEGE APPLICATION FORM

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## APPLICANT

Name ..... Last Name ..... Mr., Mrs., or Miss ..... First Name ..... Middle Name ..... Maiden Name ..... Husband's First Name .....

Address ..... Number and Street ..... City and Zone ..... State and Nation ..... Telephone Number .....

Single ..... Married ..... Separated ..... Divorced ..... Widowed ..... Number of dependents .....

Birthplace ..... City ..... State and Country ..... Date of Birth ..... Month ..... Day ..... Year .....

Citizenship ..... If not American citizen, type of visa? .....

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Name

Address

Telephone Number

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Year

Fall Semester

Spring Semester

Summer

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Yes

No

Bachelor's Degree

Master's Degree





UNIVERSITY OF ILLINOIS-URBANA



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